



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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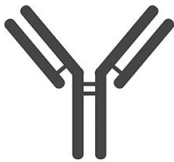
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|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Number               | ARP53716_P050-Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product Page                 | <a href="http://www.avivasysbio.com/isyna1-antibody-n-terminal-region-biotin-arp53716-p050-biotin.html">www.avivasysbio.com/isyna1-antibody-n-terminal-region-biotin-arp53716-p050-biotin.html</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Name                         | ISYNA1 Antibody - N-terminal region : Biotin (ARP53716_P050-Biotin)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protein Size (# AA)          | 558 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Molecular Weight             | 61kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Conjugation                  | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NCBI Gene Id                 | 51477                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Host                         | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clonality                    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration                | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Full Name               | Inositol-3-phosphate synthase 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Alias Symbols                | IPS, INO1, INOS, IPS 1, IPS-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Peptide Sequence             | Synthetic peptide located within the following region:<br><a href="#">LQEQLWPHMEALRPRPSVYIPEFIAANQSARADNLIPGSRAQQLEQIRRD</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Format               | Liquid. Purified antibody supplied in 1x PBS buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reference                    | Seelan,R.S., (2004) Arch. Biochem. Biophys. 431 (1), 95-106                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Description of Target        | Myoinositol, the most common naturally occurring form of inositol, is a component of plasma membrane phospholipids and functions as a cell signaling molecule. ISYNA1 (EC 5.5.1.4), or IPS, is a rate-limiting enzyme that catalyzes the de novo synthesis of myoinositol 1-phosphate from glucose 6-phosphate. Myoinositol, the most common naturally occurring form of inositol, is a component of plasma membrane phospholipids and functions as a cell signaling molecule. ISYNA1 (EC 5.5.1.4), or IPS, is a rate-limiting enzyme that catalyzes the de novo synthesis of myoinositol 1-phosphate from glucose 6-phosphate (Seelan et al., 2004 [PubMed 15464731]).[supplied by OMIM]. |
| Protein Interactions         | TRAF4; UBC; DUSP14; POT1; PPP2CA;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Reconstitution and Storage   | All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.                                                                                                                                                                                                                                                       |
| Datasheets/Manuals           | Printable datasheet for <a href="#">anti-ISYNA1 (ARP53716_P050-Biotin) antibody</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Blocking Peptide             | For anti-ISYNA1 (ARP53716_P050-Biotin) antibody is <a href="#">Catalog # AAP53716</a> (Previous Catalog # AAPP30556)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen                    | The immunogen is a synthetic peptide directed towards the N terminal region of human ISYNA1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Uniprot ID                   | <a href="#">Q9NPH2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Name                 | Inositol-3-phosphate synthase 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sample Type Confirmation     | ISYNA1 is supported by BioGPS gene expression data to be expressed in HepG2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Accession #          | <a href="#">NP_057452</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Purification                 | Affinity Purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Nucleotide Accession #       | <a href="#">NM_016368</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Symbol                  | <a href="#">ISYNA1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Predicted Species Reactivity | Human, Mouse, Rat, Cow, Guinea Pig, Horse, Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|                                                       |                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Application</b>                                    | WB                                                                                   |
| <b>Predicted Homology Based on Immunogen Sequence</b> | Cow: 86%; Guinea Pig: 93%; Horse: 86%; Human: 100%; Mouse: 86%; Rat: 86%; Yeast: 92% |
| <b>Image 1</b>                                        |     |

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Optimal conditions of its use should be determined by end users.