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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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP53716_P050-FITC
Product Page	www.avivasysbio.com/isyna1-antibody-n-terminal-region-fitc-arp53716-p050-fitc.html
Name	ISYNA1 Antibody - N-terminal region : FITC (ARP53716_P050-FITC)
Protein Size (# AA)	558 amino acids
Molecular Weight	61kDa
Conjugation	FITC: Fluorescein Isothiocyanate
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: LQEQLWPHMEALRPRPSVYIPEFIAANQSARADNLIPGSRAQQLEQIRRD
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 anti-ISYNA1 (ARP53716_P050-FITC) antibody
Blocking Peptide	For anti-ISYNA1 (ARP53716_P050-FITC) antibody is Catalog # AAP53716 (Previous Catalog # AAPP30556)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ISYNA1
Uniprot ID	Q9NPH2
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 #	NP_057452
Purification	Affinity Purified
Nucleotide Accession #	NM_016368
Gene Symbol	ISYNA1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Yeast
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 86%; Guinea Pig: 93%; Horse: 86%; Human: 100%; Mouse: 86%; Rat: 86%; Yeast: 92%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.