



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Number                                 | ARP54308_P050-FITC                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product Page                                   | <a href="http://www.avivasysbio.com/lig1-antibody-middle-region-fitc-arp54308-p050-fitc.html">www.avivasysbio.com/lig1-antibody-middle-region-fitc-arp54308-p050-fitc.html</a>                                                                                                                                                                                                                                                                                     |
| Name                                           | LIG1 Antibody - middle region : FITC (ARP54308_P050-FITC)                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protein Size (# AA)                            | 919 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Molecular Weight                               | 102kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Conjugation                                    | FITC: Fluorescein Isothiocyanate                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NCBI Gene Id                                   | 3978                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration                                  | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Full Name                                 | DNA ligase 1                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Peptide Sequence                               | Synthetic peptide located within the following region:<br><a href="#">PSVTSFILDTEAVAWDREKKQIQPFQVLTTTRKRKEVDASEIQVQVCLYAF</a>                                                                                                                                                                                                                                                                                                                                      |
| Product Format                                 | Liquid. Purified antibody supplied in 1x PBS buffer.                                                                                                                                                                                                                                                                                                                                                                                                               |
| Description of Target                          | This gene encodes a member of the ATP-dependent DNA ligase protein family. The encoded protein functions in DNA replication, recombination, and the base excision repair process. Mutations in this gene that lead to DNA ligase I deficiency result in immunodeficiency and increased sensitivity to DNA-damaging agents. Disruption of this gene may also be associated with a variety of cancers. Alternative splicing results in multiple transcript variants. |
| Protein Interactions                           | PCNA; UBC; PRMT3; SUMO2; RGS2; TUBB3; MRE11A; INPP1; CSNK2A1;                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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-LIG1 (ARP54308_P050-FITC) antibody</a>                                                                                                                                                                                                                                                                                                                                                                                    |
| Blocking Peptide                               | For anti-LIG1 (ARP54308_P050-FITC) antibody is <a href="#">Catalog # AAP54308</a> (Previous Catalog # AAP43205)                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the middle region of human LIG1                                                                                                                                                                                                                                                                                                                                                                              |
| Uniprot ID                                     | <a href="#">P18858</a>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Protein Name                                   | DNA ligase 1                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sample Type Confirmation                       | LIG1 is supported by BioGPS gene expression data to be expressed in A549                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Accession #                            | <a href="#">NP_000225</a>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification                                   | Affinity Purified                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Nucleotide Accession #                         | <a href="#">NM_000234</a>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Symbol                                    | <a href="#">LIG1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Predicted Species Reactivity                   | Human, Mouse, Rat, Cow, Dog, Horse, Pig, Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Application                                    | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Predicted Homology Based on Immunogen Sequence | Cow: 92%; Dog: 92%; Horse: 92%; Human: 100%; Mouse: 100%; Pig: 92%; Rabbit: 85%; Rat: 100%                                                                                                                                                                                                                                                                                                                                                                         |

**Image 1**



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

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