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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54307_P050-FITC
Product Page	www.avivasysbio.com/lig1-antibody-middle-region-fitc-arp54307-p050-fitc.html
Name	LIG1 Antibody - middle region : FITC (ARP54307_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: ALEGGEVKIFSRNQEDNTGKYPDIISRIPKIKLPSVTSEILDTEAVAWDR
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Liang L., (2008) Nucleic Acids Res. 36 (10), 3297-3310
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 anti-LIG1 (ARP54307_P050-FITC) antibody
Blocking Peptide	For anti-LIG1 (ARP54307_P050-FITC) antibody is Catalog # AAP54307 (Previous Catalog # AAPP31056)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human LIG1
Uniprot ID	P18858
Protein Name	DNA ligase 1
Sample Type Confirmation	LIG1 is supported by BioGPS gene expression data to be expressed in HepG2
Protein Accession #	NP_000225
Purification	Affinity Purified
Nucleotide Accession #	NM_000234
Gene Symbol	LIG1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Goat, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 100%; Goat: 79%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 93%; Zebrafish: 93%

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.

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