

Rabbit anti-Human, Rat ATP Dependent DNA ligase I Polyclonal Antibody | anti-LIG1 antibody

Polyclonal Antibody to ATP Dependent DNA ligase I (LIG1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA141853	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

ATP Dependent DNA ligase I; Polyclonal Antibody; Polyclonal Antibody to ATP Dependent DNA ligase I (LIG1); anti-LIG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Specificity	The antibody is a rabbit polyclonal antibody raised against LIG1. It has been selected for its ability to recognize LIG1 in immunohistochemical staining and western blotting.
Purity/Purification	Affinity Chromatography
Form/Format	Liquid
Concentration	500ug/mL (varies by lot)
Sequence	Antigen: The target protein is fused with a C-terminal tag, His-tag and T7-tag and its sequence is listed below. MGSSH HHHHHSSGLV PRGSHMASMT GGQMGGRGSE F-KYYGQRAQ IHVLEGGEVK IFSRNQEDNS GKYPDIISRI PKIKHPSVTS FILDTEAVAW DREKKQIQPF QVLTTRKRKE VDASEIQVQV CLYAFDLIYL NGESLARQPL SRRRQLLREN FVETEGEFVF ATSLDTKDIE QIAEFLEQSV KDSCEGLMVK TLDVDATYEI AKRSHNWLKL KKDYLEGVGD TLDLVVIGAY LGRGKRPGRY GGFLAAYDE ESEELAAICK LGTGFSDDEL EEHHQNMQAL LLPTPRPYVR IDGAVAPNHW LDPSIVWEVK CADLTLSPYI RAARGMVDKE KGISLRFPRF
Sequence Length	559
Applicable Applications for anti-LIG1 antibody	ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Fragment	LIG1 (Lys568~Phe875)
Organism Species	Rattus norvegicus (Rat)
Cross Reactivity	Human, Rat
Conjugate	No Conjugate
Immunogen	Recombinant LIG1 (Lys568~Phe875) expressed in E. coli.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemisry)
DAB staining on fromalin fixed paraffin-embedded Brain tissue



WB (Western Blot)
Western Blot: Sample: Recombinant protein.



WB (Western Blot)
Western Blot: Sample: Human Jurkat cell lysate; Primary Ab: 3ug/ml Rabbit Anti-Rat LIG1
Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	14423666
NCBI GeneID	81513
UniProt Accession #	Q9JHY8
Molecular Weight	102,482 Da
NCBI Official Full Name	DNA ligase 1
NCBI Official Synonym Full Names	DNA ligase 1
NCBI Official Symbol	Lig1
NCBI Protein Information	DNA ligase 1
UniProt Protein Name	DNA ligase 1
UniProt Gene Name	Lig1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.