

Rabbit anti-Human LIG1 Polyclonal Antibody | anti-LIG1 antibody

LIG1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301638	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

LIG1; Polyclonal Antibody; LIG1 Antibody; MGC117397; MGC130025; anti-LIG1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total LIG1 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	919
Applicable Applications for anti-LIG1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human LIG1.
Target Name	LIG1
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of MCF7 cell using LIG1 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast cancer using LIG1 antibody at dilution of 1:200 (400x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using LIG1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-LIG1 antibody	LIG1 encodes DNA ligase I, with functions in DNA replication and the base excision repair process. Mutations in LIG1 that lead to DNA ligase I deficiency result in immunodeficiency and increased sensitivity to DNA-damaging agents.
Product Categories/Family for anti-LIG1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557719
NCBI GeneID	3978
NCBI Accession #	NP_000225.1
NCBI GenBank Nucleotide #	NM_000234.2
UniProt Accession #	P18858; Q2TB12; Q32P23; B2RAI8; B4DTU4
Molecular Weight	98,228 Da
NCBI Official Full Name	DNA ligase 1 isoform 1
NCBI Official Synonym Full Names	ligase I, DNA, ATP-dependent
NCBI Official Symbol	LIG1
NCBI Protein Information	DNA ligase 1
UniProt Protein Name	DNA ligase 1
UniProt Gene Name	LIG1
UniProt Entry Name	DNL11_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/lig1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/301638>