

Rabbit anti-Human DNA Ligase 1 Polyclonal Antibody | anti-LIG1 antibody

Rabbit anti-DNA Ligase 1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211331	Rabbit	Human	Immunohistochemistry, Immunoprecipitation

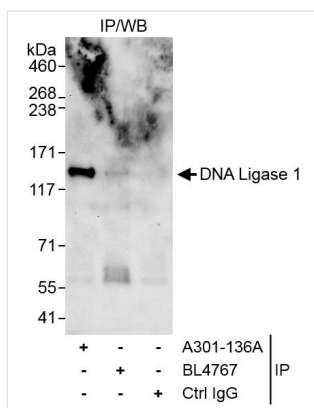
PRODUCT SYNONYMS

DNA Ligase 1; Polyclonal Antibody; Rabbit anti-DNA Ligase 1 Antibody; Affinity Purified; DNA ligase 1; DNA ligase I; ligase I; DNA; ATP-dependent; polydeoxyribonucleotide synthase [ATP] 1; anti-LIG1 antibody

PRODUCT SPECIFICATIONS

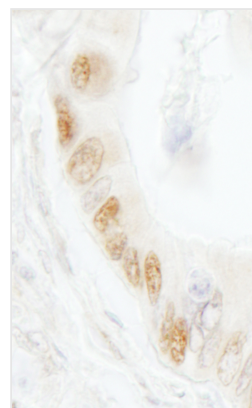
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-LIG1 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation)
Immunogen	Between 200 and 250
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



IP (Immunoprecipitation)

Detection of human DNA Ligase 1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-DNA Ligase 1 antibody AAA211331 used for IP at 3 ug/mg lysate. For blotting immunoprecipitated DNA Ligase 1, rabbit anti-DNA Ligase 1 antibody BL4767 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of human DNA Ligase 1 by immunohistochemistry. Sample: FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti-DNA Ligase 1 (Cat. No. AAA211331) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-LIG1 antibody	DNA ligase 1 catalyzes the joining of double-stranded DNA ends during replication, recombination, and repair. Structurally, DNA ligase 1 is toroidal and encircles nicked DNA substrates. The 9-1-1 complex, a DNA damage checkpoint complex, has been reported to associate with DNA ligase 1 and stimulate ligase activity. Mutations in DNA ligase 1 result in immunodeficiency and increased sensitivity to DNA-damaging agents.
Product Categories/Family for anti-LIG1 antibody	Primary Antibodies

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; polydeoxyribonucleotide synthase [ATP] 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dna-ligase-1-antibody-immunohistochemistry-immunoprecipitation-elisa/211331>