

Rabbit anti-Human DNA Ligase IV Polyclonal Antibody | anti-LIG4 antibody

DNA Ligase IV Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA294683	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

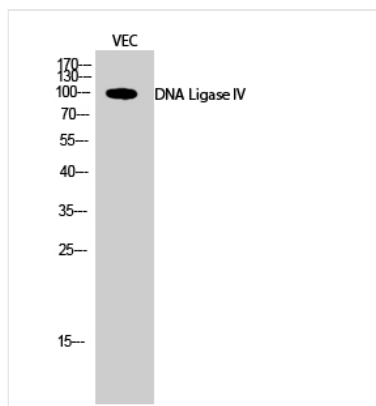
PRODUCT SYNONYMS

DNA Ligase IV; Polyclonal Antibody; DNA Ligase IV Polyclonal Antibody; LIG4; DNA ligase 4; DNA ligase IV; Polydeoxyribonucleotide synthase [ATP] 4; anti-LIG4 antibody

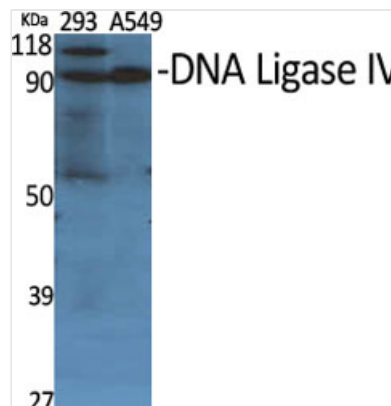
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Applicable Applications for anti-LIG4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Notes	ECO:0000303 PubMed:16357942, ECO:0000312 HGNC: HGNC:6601
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.
Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.
Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

ADDITIONAL INFORMATION

Related Product Information for anti-LIG4 antibody

Efficiently joins single-strand breaks in a double-stranded polydeoxynucleotide in an ATP-dependent reaction. Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. The LIG4-XRCC4 complex is responsible for the NHEJ ligation step, and XRCC4 enhances the joining activity of LIG4. Binding of the LIG4-XRCC4 complex to DNA ends is dependent on the assembly of the DNA-dependent protein kinase complex DNA-PK to these DNA ends.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148539894
NCBI GeneID	3981
NCBI Accession #	NP_001091738.1
NCBI GenBank Nucleotide #	NM_001098268.1
UniProt Accession #	P49917; Q8IY66; Q8TEU5
Molecular Weight	103,971 Da
NCBI Official Full Name	DNA ligase 4
NCBI Official Synonym Full Names	ligase IV, DNA, ATP-dependent
NCBI Official Symbol	LIG4
NCBI Protein Information	DNA ligase 4; sealase; DNA joinase; DNA ligase IV; DNA repair enzyme; polynucleotide ligase; polydeoxyribonucleotide synthase [ATP] 4
UniProt Protein Name	DNA ligase 4
UniProt Gene Name	LIG4
UniProt Entry Name	DNLI4_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/dna-ligase-iv-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/294683>