

Rabbit DNA ligase 3 Polyclonal Antibody | anti-DNA antibody

DNA ligase 3 antibody

CATALOG # AAA107888	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence
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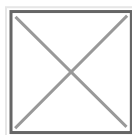
PRODUCT SYNONYMS

DNA ligase 3; Polyclonal Antibody; DNA ligase 3 antibody; Polyclonal DNA ligase 3; Anti-DNA ligase 3; ligase II DNA ATP-dependent; LIG3; ligase III DNA ATP-dependent; DNA ligase -3; LIG2; polydeoxyribonucleotide synthase [ATP] 3; anti-DNA antibody

PRODUCT SPECIFICATIONS

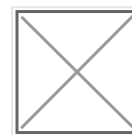
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	DNA ligase 3 antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 1X PBS, 1% BSA, 20% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	0.31 mg/ml (varies by lot)
Sequence Length	949
Applicable Applications for anti-DNA antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence)
Biological Significance	This gene is a member of the DNA ligase family. Each member of this family encodes a protein that catalyzes the joining of DNA ends but they each have a distinct role in DNA metabolism. The protein encoded by this gene is involved in excision repair and is located in both the mitochondria and nucleus, with translation initiation from the upstream start codon allowing for transport to the mitochondria and translation initiation from a downstream start codon allowing for transport to the nucleus.
Cross-Reactivity	Human
Immunogen	DNA ligase 3 antibody was raised in rabbit using a recombinant fragment corresponding to a region within amino acids 765 and 1009 of DNA ligase 3
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin-embedded H441 Xenograft using DNA ligase 3 antibody at a dilution of 1:100



WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: Molt-4) using a 7.5 % SDS PAGE gel and DNA ligase 3 antibody at a dilution of 1:1000



IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde-fixed A431, using DNA ligase 3 antibody at 1:200 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-DNA antibody	Affinity purified Rabbit polyclonal DNA ligase 3 antibody
Product Categories/Family for anti-DNA antibody	DNA & RNA ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	73747844
NCBI GeneID	3980
NCBI Accession #	NP_002302.2
NCBI GenBank Nucleotide #	NM_002311.4
UniProt Accession #	P49916 ; Q16714 ; Q6NVK3 ; E5KLB5 ; E5KLB6
Molecular Weight	113 kDa
NCBI Official Full Name	DNA ligase 3 isoform beta
NCBI Official Synonym Full Names	ligase III, DNA, ATP-dependent
NCBI Official Symbol	LIG3
NCBI Official Synonym Symbols	LIG2
NCBI Protein Information	DNA ligase 3
UniProt Protein Name	DNA ligase 3
UniProt Gene Name	LIG3
UniProt Entry Name	DNLI3_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-3-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-elisa/107888>