

Rabbit LIG4 Polyclonal Antibody | anti-LIG4 antibody

LIG4 antibody - N-terminal region

CATALOG # AAA197727	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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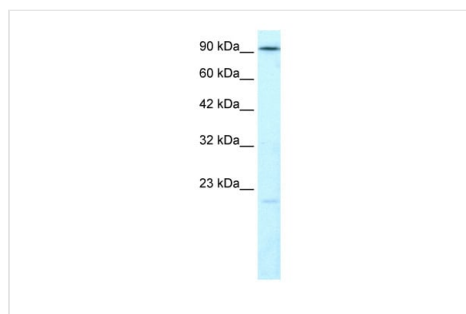
PRODUCT SYNONYMS

LIG4; Polyclonal Antibody; LIG4 antibody - N-terminal region; anti-LIG4 antibody

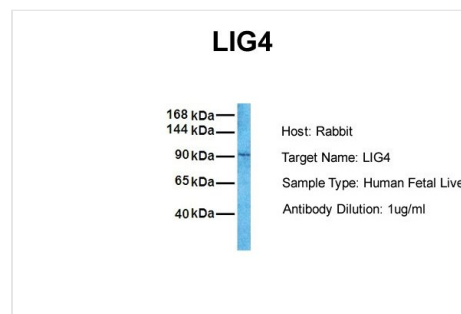
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: DG ERMQM HKDGD VYKYFSRNGY NYTDQFGASP TEGSLTPFIH NAFKADIQ
Sequence Length	911
Applicable Applications for anti-LIG4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 92%; Dog: 93%; Guinea Pig: 93%; Horse: 86%; Human: 100%; Mouse: 92%; Rabbit: 93%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human LIG4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

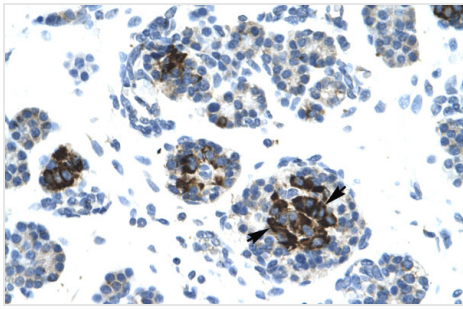
IMAGES


WB (Western Blot)

WB Suggested Anti-LIG4 Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate


WB (Western Blot)

Host: Rabbit Target Name: LIG4 Sample Tissue: Human Fetal Liver Antibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)
Human Pancreas

ADDITIONAL INFORMATION

Related Product Information for anti-LIG4 antibody	This is a rabbit polyclonal antibody against LIG4. It was validated on Western Blot and immunohistochemistry Target Description: LIG4 encodes a DNA ligase that joins single-strand breaks in a double-stranded polydeoxynucleotide in an ATP-dependent reaction. This protein is essential for V(D)J recombination and DNA double-strand break (DSB) repair through nonhomologous end joining (NHEJ). This protein forms a complex with the X-ray repair cross complementing protein 4 (XRCC4), and further interacts with the DNA-dependent protein kinase (DNA-PK). Both XRCC4 and DNA-PK are known to be required for NHEJ. The crystal structure of the complex formed by this protein and XRCC4 has been resolved. Defects in this gene are the cause of LIG4 syndrome.
Product Categories/Family for anti-LIG4 antibody	Polyclonal; Cell Cycle Proteins; Chromatin & Nuclear Signaling; Signal Transduction; Stem Cells; Disease Related; Immunohistochemistry; DNA Repair; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	23199993
NCBI GeneID	3981
NCBI Accession #	NP_002303
NCBI GenBank Nucleotide #	NM_002312
UniProt Accession #	Q8IY66; P49917
Molecular Weight	104kDa
NCBI Official Full Name	DNA ligase 4 isoform 1
NCBI Official Synonym Full Names	DNA ligase 4
NCBI Official Symbol	LIG4
NCBI Official Synonym Symbols	LIG4S
NCBI Protein Information	DNA ligase 4

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/lig4-antibody-western-blot-immunohistochemistry-elisa/197727>