Rabbit LIG3 Polyclonal Antibody | anti-LIG3 antibody

LIG3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305792	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot**

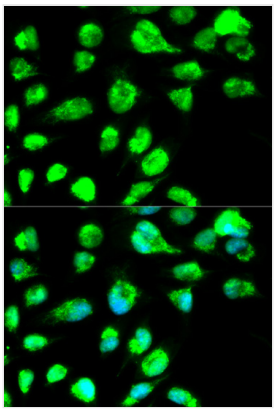
PRODUCT SYNONYMS

LIG3; Polyclonal Antibody; LIG3 Antibody; LIG2; anti-LIG3 antibody

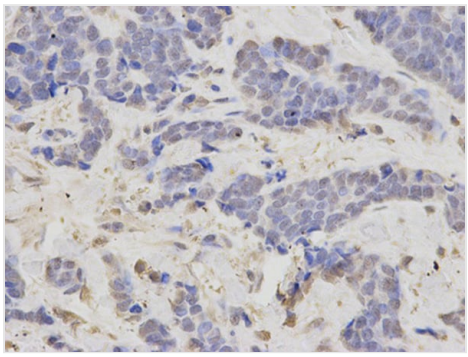
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total LIG3 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	949
Applicable Applications for anti-LIG3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human LIG3.
Target Name	LIG3
Preparation and Storage	Store at -20 degree C

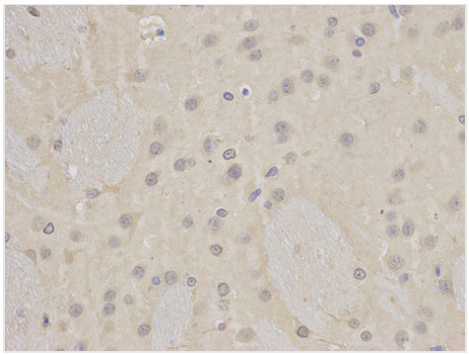
IMAGES



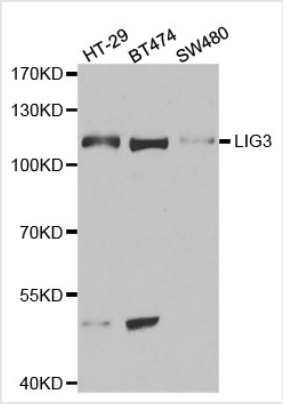
IF (Immunofluorescence)
Immunofluorescence analysis of MCF7 cell using LIG3 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemisry)
Immunohistochemical analysis of paraffin-embedded rat brain using LIG3 antibody at dilution of 1:200 (400x lens).



IHC (Immunohiostchemistry)
Immunohistochemical analysis of paraffin-embedded human breast cancer using LIG3 antibody at dilution of 1:200 (400x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using LIG3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-LIG3 antibody	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. Additionally, alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Product Categories/Family for anti-LIG3 antibody	Total protein Ab

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	95,802 Da
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://www.aaabiotech.com/polyclonal/lig3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/305792