

Rabbit LIG3 Polyclonal Antibody | anti-LIG3 antibody

LIG3 Polyclonal Antibody

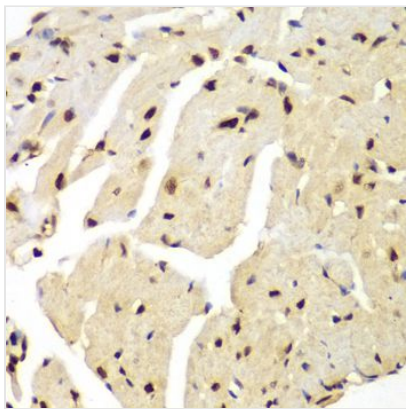
CATALOG # AAA281086	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

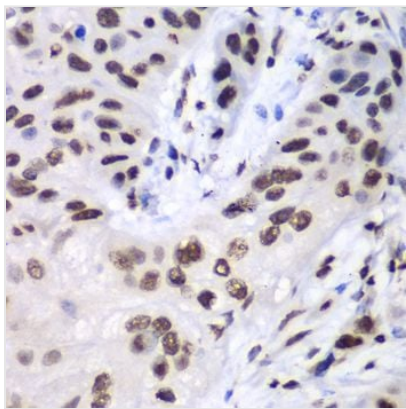
LIG3; Polyclonal Antibody; LIG3 Polyclonal Antibody; LIG2; anti-LIG3 antibody

PRODUCT SPECIFICATIONS

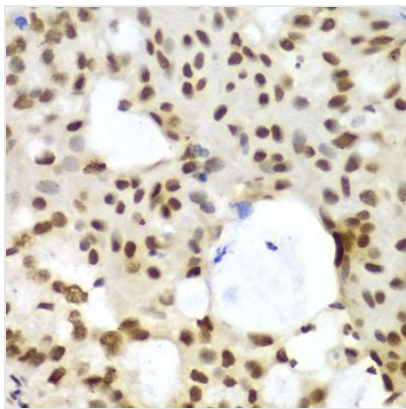
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	AGGHDDATLA RLQNELDMVK ISKDPSKIPS WLKVNKIYYP DFIVDPKKA AVWEITGAEF SKSEAHTADG ISIRFPRCTR IRDDKDWKSA TNLPQLKELY QLSKEKADFT VVAGDEGSST TGGSSSEENKG PSGSAVSRKA PSKPSASTKK AEGKLSNSNS KDGNMQTAKP SAMKVGEKLA TKSSPVKVGE KRKAADETLC QTKVLLDIFT GVRLYLPPST PDFSRLRRYF VAFDGDLVQE FDMTSATHVL GSRDK
Sequence Length	949
Applicable Applications for anti-LIG3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human LIG3
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Mitochondrion, Mitochondrion, Nucleus
Positive Samples	HT-29, BT-474, SW480
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.



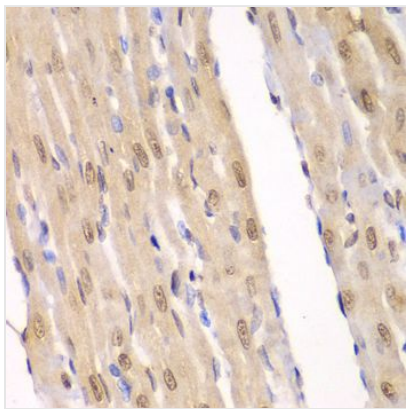
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse heart using LIG3 antibody at dilution of 1:100 (40x lens).



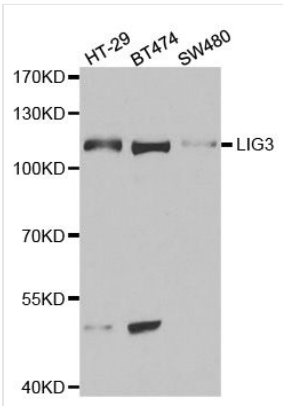
IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human esophageal cancer using LIG3 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human oophoroma using LIG3 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat heart using LIG3 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using LIG3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

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	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	Calculated: 95kDa; 102kDa; 106kDa; 112kDa Observed: 112kDa
NCBI Official Full Name	DNA ligase 3 isoform beta
NCBI Official Synonym Full Names	DNA ligase 3
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

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.