

Rabbit ALPL Polyclonal Antibody | anti-ALPL antibody

ALPL Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326006	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

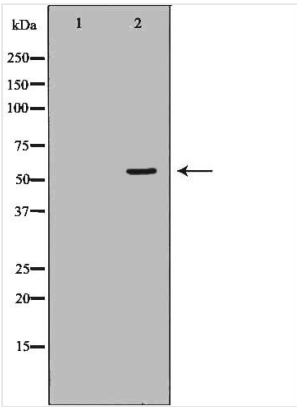
PRODUCT SYNONYMS

ALPL; Polyclonal Antibody; ALPL Antibody; AKP2; Alkaline phosphatase liver/bone/kidney; Alkaline phosphatase liver/bone/kidney isozyme; Alkaline phosphatase tissue nonspecific isozyme; Alkaline phosphatase; tissue-nonspecific isozyme; Alkaline phosphomonoesterase; Alpl; AP TNAP; AP-TNAP; APTNAP; BAP; FLJ40094; FLJ93059; Glycerophosphatase; HOPS; Liver/bone/kidney type alkaline phosphatase; MGC161443; MGC167935; PHOA; PPBT_HUMAN; Tissue non specific alkaline phosphatase; Tissue nonspecific ALP; TNAP; TNSALP; anti-ALPL antibody

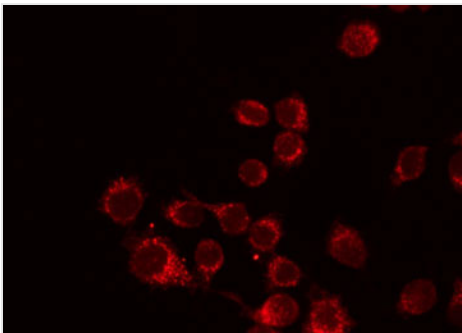
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ALPL antibody detects endogenous levels of total ALPL
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	524
Applicable Applications for anti-ALPL antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ALPL
Subcellular Location	Cell Membrane
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

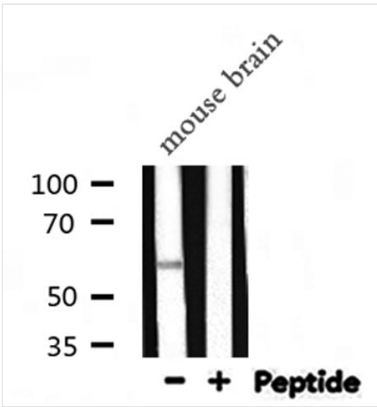
IMAGES



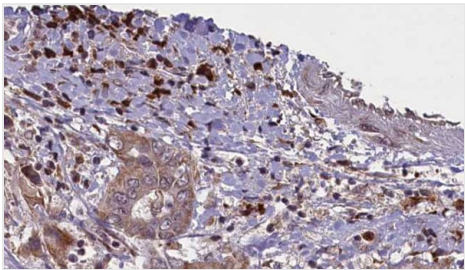
WB (Western Blot)
Western blot analysis of HepG2 using ALPL antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA326006 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of ALPL expression in Mouse brain lysate



IHC (Immunohistochemistry)
AAA326006 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ALPL antibody	Description: There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The product of this gene is a membrane bound glycosylated enzyme that is not expressed in any particular tissue and is, therefore, referred to as the tissue-nonspecific form of the enzyme. Alkaline phosphatases form various dimers in vivo. This antibody can bind the four mentioned alkaline phosphatases. Function: This isozyme may play a role in skeletal mineralization. Subunit Structure: Homodimer. Post-translational Modifications: N-glycosylated. Similarity: Belongs to the alkaline phosphatase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116734717
NCBI GeneID	249
NCBI Accession #	NP_000469.3
NCBI GenBank Nucleotide #	NM_000478.5
UniProt Accession #	P05186; O75090; Q2TAI7; Q59EJ7; Q5BKZ5; Q5VTG5; Q6NZI8; Q8WU32; A1A4E7; B2RMP8; B7Z387; B7Z4Y6
Molecular Weight	Observed: 57 kDa Predicted: 58 kDa

NCBI Official Full Name	alkaline phosphatase, tissue-nonspecific isozyme isoform 1 preproprotein
NCBI Official Synonym Full Names	alkaline phosphatase, biomineralization associated
NCBI Official Symbol	ALPL
NCBI Official Synonym Symbols	HOPS; TNAP; TNALP; APTNAP; TNSALP; AP-TNAP
NCBI Protein Information	alkaline phosphatase, tissue-nonspecific isozyme
UniProt Protein Name	Alkaline phosphatase, tissue-nonspecific isozyme
UniProt Gene Name	ALPL
UniProt Synonym Gene Names	AP-TNAP; TNSALP

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/alpl-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326006>