

Rabbit ALPL Polyclonal Antibody | anti-ALPL antibody

ALPL Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA174568	Rabbit	Human, Mouse, Rat	Western Blot

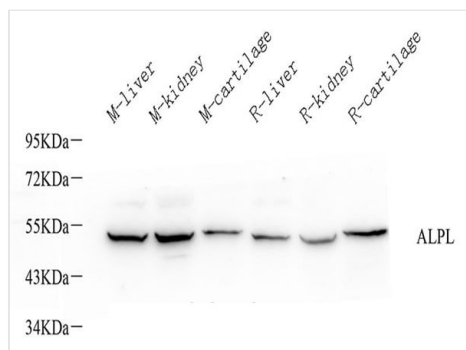
PRODUCT SYNONYMS

ALPL; Polyclonal Antibody; ALPL Polyclonal 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; Tissue non specific alkaline phosphatase; Tissue nonspecific ALP; TNAP; TNSALP; anti-ALPL antibody

PRODUCT SPECIFICATIONS

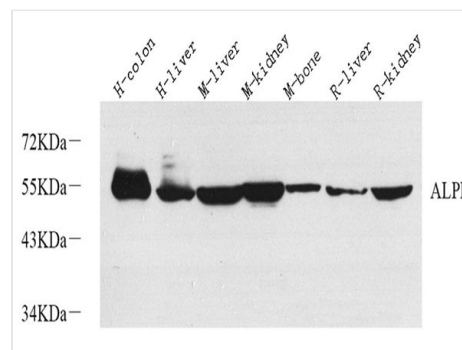
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 100 mug/ml BSA and 50% glycerol.
Concentration	200 mug/mL (varies by lot)
Sequence Length	447
Applicable Applications for anti-ALPL antibody	WB (Western Blot)
Immunogen	Recombinant protein corresponding to Mouse Alkaline Phosphatase
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western Blot analysis of various samples using ALPL Polyclonal Antibody at dilution of 1:1000.



WB (Western Blot)

Western Blot analysis of various samples using ALPL Polyclonal Antibody at dilution of 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-ALPL antibody	There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The first three are located together on chromosome 2, while the tissue non-specific form is located on chromosome 1. 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. The exact physiological function of the alkaline phosphatases is not known. A proposed function of this form of the enzyme is matrix mineralization; however, mice that lack a functional form of this enzyme show normal skeletal development. This enzyme has been linked directly to hypophosphatasia, a disorder that is characterized by hypercalcemia and includes skeletal defects. The character of this disorder can vary, however, depending on the specific mutation since this determines age of onset and severity of symptoms. Alternatively spliced transcript variants have been described.
Product Categories/Family for anti-ALPL antibody	Cancer; Cell Biology; Tags & Cell Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	116734717
NCBI GeneID	249
NCBI Accession #	NP_000469.3
NCBI GenBank Nucleotide #	NM_000478.6
UniProt Accession #	P05186; O75090; Q2TAI7; Q59EJ7; Q5BKZ5; Q5VTG5; Q6NZI8; Q8WU32; A1A4E7; B2RMP8; B7Z387; B7Z4Y6
Molecular Weight	Calculated: 57kDa Observed: 55kDa
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.