

Rabbit Alkaline Phosphatase Polyclonal Antibody | anti-ALPL antibody

Anti-Alkaline Phosphatase antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45415	Rabbit	Reacts with: Rat Predicted to work with: Mouse	Western Blot

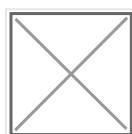
PRODUCT SYNONYMS

Alkaline Phosphatase; Polyclonal Antibody; Anti-Alkaline Phosphatase antibody; Alkaline phosphatase; tissue-nonspecific isozyme; alkaline phosphatase; liver/bone/kidney; Akp2 antibody; Alkaline phosphatase intestinal antibody; Alkaline phosphatase intestinal precursor antibody; Alkaline phosphatase liver/bone/kidney antibody; Alkaline phosphatase placental antibody; Alkaline phosphatase placental like 2 antibody; Alkaline phosphatase placental like antibody; Alkaline phosphatase placental type antibody; Alkaline phosphomonoesterase antibody; ALP 1 antibody; ALP antibody; ALP I antibody; ALP L antibody; ALP P antibody; ALPG antibody; ALPI antibody; ALPL antibody; ALPP antibody; ALPPL antibody; ALPPL2 antibody; AP TNAP antibody; FLJ40094 antibody; GCAP antibody; Germ cell alkaline phosphatase antibody; Glycerophosphatase antibody; HOPS antibody; IAP antibody; Intestinal alkaline phosphatase antibody; Kasahara isozyme antibody; Nagao isozyme antibody; OTTHUMP00000164357 antibody; Placental alkaline phosphatase antibody; Placental like alkaline phosphatase antibody; PLAP 1 antibody; PLAP antibody; PLAP like antibody; Regan isozyme antibody; Testicular and thymus alkaline phosphatase antibody; Tissue non specific alkaline phosphatase antibody; Tissue nonspecific ALP antibody; TNAP antibody; TNSALP antibody; anti-ALPL antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with: Rat Predicted to work with: Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	524
Applicable Applications for anti-ALPL antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of rat Alkaline Phosphatase (18-32aa, FVPEKEKDPSYWRQQ), different from the related mouse sequence by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



Application Data

All lanes: Anti ALPL (AAA45415) at 0.5ug/ml
Lane 1: Rat Cardiac Muscle Tissue Lysate at 50ug
Lane 2: Rat Brain Tissue Lysate at 50ug
Predicted bind size: 57KD
Observed bind size: 57KD

ADDITIONAL INFORMATION

Related Product Information for anti-ALPL antibody	Description: Rabbit IgG polyclonal antibody for Alkaline phosphatase, tissue-nonspecific isozyme(ALPL) detection. Tested with WB, IHC-P in Mouse, Rat. Background: Alkaline phosphatase, tissue-nonspecific isozyme is an enzyme that in humans is encoded by the ALPL gene. 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. Liver/bone/kidney alkaline phosphatase, also known as tissue-nonspecific alkaline phosphatase, acts physiologically as a lipid-anchored phosphoethanolamine(PEA) and pyridoxal-5-prime-phosphate(PLP) ectophosphatase Mice that lack a functional form of this enzyme show normal skeletal development. This enzyme has been linked directly to a disorder known as hypophosphatasia, a disorder that is characterized by hypercalcemia and includes skeletal defects.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130751
NCBI GeneID	25586
UniProt Accession #	P08289; P14055; P70707
Molecular Weight	57,659 Da
NCBI Official Full Name	Alkaline phosphatase, tissue-nonspecific isozyme
NCBI Official Synonym Full Names	alkaline phosphatase, liver/bone/kidney
NCBI Official Symbol	Alpl
NCBI Official Synonym Symbols	Akp2; PHOA
NCBI Protein Information	alkaline phosphatase, tissue-nonspecific isozyme; TNSALP; AP-TNAP; alkaline phosphatase 2, liver; tissue-nonspecific alkaline phosphatase; Tissue-nonspecific ALP alkaline phosphatase; alkaline phosphatase liver/bone/kidney isozyme
UniProt Protein Name	Alkaline phosphatase, tissue-nonspecific isozyme
UniProt Gene Name	Alpl
UniProt Synonym Gene Names	AP-TNAP; TNSALP
UniProt Entry Name	PPBT_RAT

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/alkaline-phosphatase-antibody-western-blot-elisa/45415>