

Rabbit Alkaline Phosphatase Polyclonal Antibody | anti-ALPL antibody

Anti-Alkaline Phosphatase antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45154	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

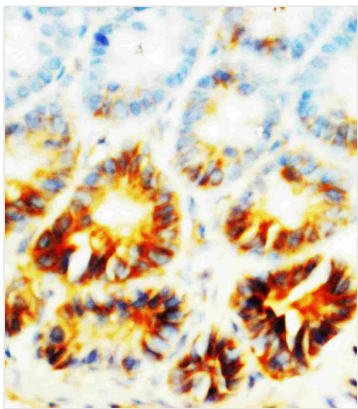
PRODUCT SYNONYMS

Alkaline Phosphatase; Polyclonal Antibody; Anti-Alkaline Phosphatase antibody; Alkaline phosphatase; tissue-nonspecific isozyme(AP-TNAP/TNSALP); 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

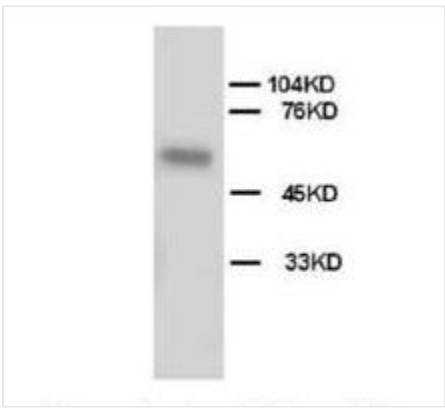
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	524
Applicable Applications for anti-ALPL antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Alkaline Phosphatase (21-35aa,EKEKDPKYWRDQAQE), different from the related rat and mouse sequences by two amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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



IHC (Immunohistochemistry)
Anti-Alkaline Phosphatase antibody, AAA45154, IHC(P)IHC(P): Rat Small Intestine Tissue



WB (Western Blot)
Anti-Alkaline Phosphatase antibody, AAA45154, Western blottingAll lanes: Anti ALPL (AAA45154) at 0.5ug/mlWB: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 57KDObserved 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 Human, Mouse, Rat. Background: Alkaline phosphatase(ALPL) removes phosphate groups from the 5' end of DNA and RNA, and from proteins, at high pH. Most mammals have 4 different isozymes: placental, placental like, intestinal and non tissue specific(found in liver, kidney and bone). Tissues with particularly high concentrations of ALP include the liver, bile ducts, placenta, and bone. ALPL is the alkaline phosphatase of skin fibroblasts,the tissue-nonspecific type, and that it is active toward millimolar concentrations of the putative natural substrates phosphoethanolamine(PEA) and pyridoxal-5-prime-phosphate(PLP). ALPL gene exists in single copy in the haploid genome and is composed of 12 exons distributed over more than 50 kb.Damaged or diseased tissue releases enzymes into the blood, so serum ALP measurements can be abnormal in many conditions, including bone disease and liver disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68067533
NCBI GeneID	249
UniProt Accession #	P05186; O75090; Q2TAI7; Q59EJ7; Q5BKZ5; Q5VTG5; Q6NZI8; Q8WU32; A1A4E7; B2RMP8; B7Z387; B7Z4Y6
Molecular Weight	51,045 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	HOPS; TNAP; APTNAP; TNSALP; AP-TNAP
NCBI Protein Information	alkaline phosphatase, tissue-nonspecific isozyme; glycerophosphatase; tissue-nonspecific ALP; alkaline phosphomonoesterase; liver/bone/kidney-type 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_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://stage.aaabiotech.com/polyclonal/alkaline-phosphatase-antibody-immunohistochemistry-western-blot-elisa/45154>