

Rabbit anti-Human ALPP Polyclonal Antibody | anti-ALPP antibody

Anti-ALPP Antibody

CATALOG # AAA46734	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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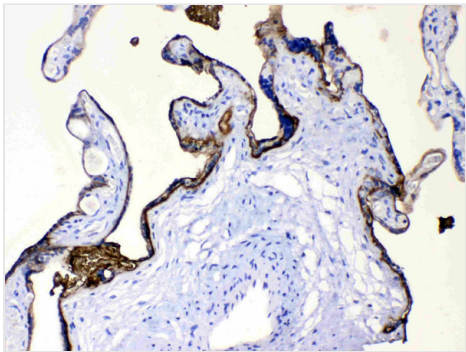
PRODUCT SYNONYMS

ALPP; Polyclonal Antibody; Anti-ALPP Antibody; ALP; Alp1; PALP; PLAP; PLAP-1; PLAP1; P05187; Alkaline phosphatase; placental type; anti-ALPP antibody

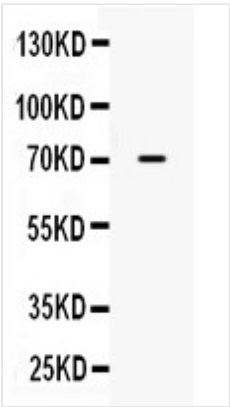
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	535
Applicable Applications for anti-ALPP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ALPP (403-433aa KARDRKAYTVLLYGNPGYVLKDGARPDVTE).
Preparation and Storage	Store 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)
ALPP was detected in paraffin-embedded sections of human placenta tissues using rabbit anti- ALPP Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of ALPP expression in human placenta extract (lane 1). ALPP at 70KD was detected using rabbit anti- ALPP Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-ALPP antibody	Rabbit IgG polyclonal antibody for Alkaline phosphatase, placental type(ALPP) detection. Background: Alkaline phosphatase, placental type also known as placental alkaline phosphatase (PLAP) is an allosteric enzyme that in humans is encoded by the ALPP gene. The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. The protein is primarily expressed in placental and endometrial tissue; however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells.
References	1. "Entrez Gene: ALPP alkaline phosphatase, placental (Regan isozyme)". 2. Henthorn PS, Knoll BJ, Raducha M, Rothblum KN, Slaughter C, Weiss M, Lafferty MA, Fischer T, Harris H (Sep 1986). "Products of two common alleles at the locus for human placental alkaline phosphatase differ by seven amino acids". Proc Natl Acad Sci U S A. 83 (15): 5597-601. 3. Kam W, Clauser E, Kim YS, Kan YW, Rutter WJ (Feb 1986). "Cloning, sequencing, and chromosomal localization of human term placental alkaline phosphatase cDNA". Proc Natl Acad Sci U S A. 82 (24): 8715-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	94721246
NCBI GeneID	250
NCBI Accession #	NP_001623.3
NCBI GenBank Nucleotide #	NM_001632.4
UniProt Accession #	P05187; P05188; P06861; Q53S78; Q96DB7
Molecular Weight	57,954 Da
NCBI Official Full Name	alkaline phosphatase, placental type preproprotein
NCBI Official Synonym Full Names	alkaline phosphatase, placental
NCBI Official Symbol	ALPP
NCBI Official Synonym Symbols	ALP; PALP; PLAP; PLAP-1
NCBI Protein Information	alkaline phosphatase, placental type
UniProt Protein Name	Alkaline phosphatase, placental type
UniProt Gene Name	ALPP

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/alpp-antibody-immunohistochemistry-western-blot-elisa/46734>