

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

ALPP Antibody (Center)

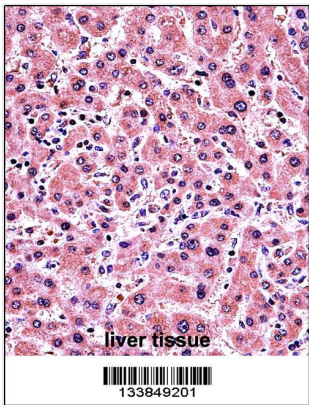
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287729	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

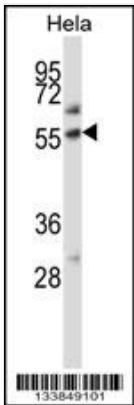
ALPP; Polyclonal Antibody; ALPP Antibody (Center); Alkaline phosphatase; placental type; Alkaline phosphatase Regan isozyme; Placental alkaline phosphatase 1; PLAP-1; PLAP; anti-ALPP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ALPP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 282-309 amino acids from the Central region of human ALPP.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.29 (varies by lot)
Sequence Positions	282-309
Sequence Length	535
Applicable Applications for anti-ALPP antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
ALPP Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ALPP Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
ALPP Antibody (Center) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the ALPP antibody detected the ALPP protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ALPP 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, also referred to as the heat stable form, that is expressed primarily in the placenta although it is closely related to the intestinal form of the enzyme as well as to the placental-like form. The coding sequence for this form of alkaline phosphatase is unique in that the 3' untranslated region contains multiple copies of an Alu family repeat. In addition, this gene is polymorphic and three common alleles (type 1, type 2 and type 3) for this form of alkaline phosphatase have been well characterized.
Product Categories/Family for anti-ALPP antibody	Cancer; Cell Biology; Immunology
References	Stec, B., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 66 (PT 8), 866-870 (2010) : Wang, F., et al. Am. J. Surg. Pathol. 33(10):1529-1539(2009) Estrada, K., et al. Hum. Mol. Genet. 18(18):3516-3524(2009) Zhu, J.F., et al. Zhonghua Wai Ke Za Zhi 47(5):381-384(2009) Roberson, J.R., et al. Pediatr Blood Cancer 51(6):840-842(2008)

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	57954
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
UniProt Synonym Gene Names	PLAP; PLAP-1
UniProt Entry Name	PPB1_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://www.aaabiotech.com/polyclonal/alpp-antibody-immunohistochemistry-western-blot-elisa/287729>