

Rabbit ALPP Polyclonal Antibody | anti-ALPP antibody

ALPP antibody - C-terminal region

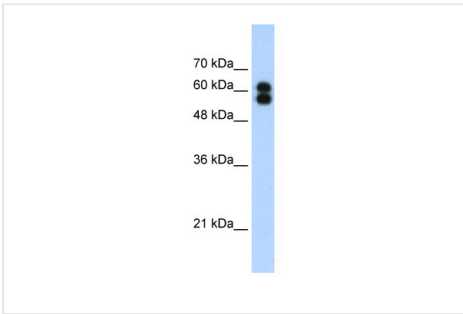
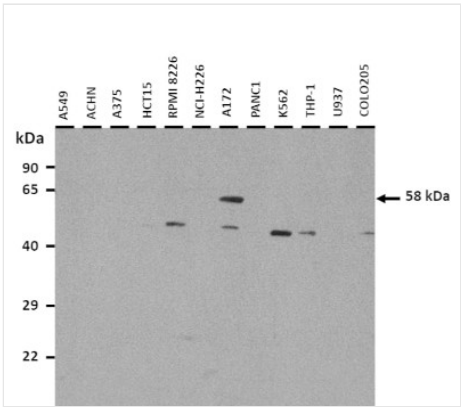
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199028	Rabbit	Human Predicted: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

ALPP; Polyclonal Antibody; ALPP antibody - C-terminal region; anti-ALPP antibody

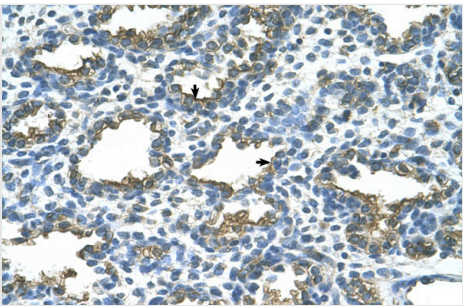
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	1.0 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: TV LLYGNGPGYV LKDGARPDVT ESESGSPEYR QQSAVPLDEE THAGEDVA
Sequence Length	535
Applicable Applications for anti-ALPP antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 86%; Dog: 86%; Guinea Pig: 79%; Horse: 79%; Human: 100%; Mouse: 79%; Rabbit: 79%; Rat: 79%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human ALPP
Protein Size	535 amino acids
Protein Interactions	COL2A1; KRTAP10-3; KRTAP4-12; KRTAP5-9; RPA3; RPA2; RPA1; FBXO6; LATS1; UBC; SUMO1; SUMO2; UBXN6; Cep76; Trim69; Erh; Cbx1; UBXN11; ASPSCR1; NSFL1C; UBXN1; UBXN7; FAF2; FAF1; ALPP; PIGK; GPLD1;
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
WB Suggested Anti-ALPP Antibody Titration: 1.25ug/mlPositive Control: HepG2 cell lysate

WB (Western Blot)
25 ug of the indicated Human whole cell or tissue extracts was loaded onto a 12% SDS-PAGE gel. 5 ug/mL of the antibody was used in this experiment.



IHC (Immunohistochemistry)
Rabbit Anti-ALPP AntibodyParaffin Embedded Tissue: Human LungCellular Data: Alveolar cellsAntibody Concentration: 4.0-8.0 ug/mlMagnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-ALPP antibody	This is a rabbit polyclonal antibody against ALPP. It was validated on Western Blot and immunohistochemistry Target Description: 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. ALPP 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. 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	Polyclonal; Signal Proteins; Tissue Specific & Cell Marker; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	94721246
NCBI GeneID	250
NCBI Accession #	NP_001623
NCBI GenBank Nucleotide #	NM_001632

UniProt Accession #	P05187
Molecular Weight	58kDa
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; IAP; ALPI; 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://stage.aaabiotech.com/polyclonal/alpp-antibody-western-blot-immunohistochemistry-elisa/199028>