

Rabbit anti-Human Placental Alkaline Phosphatase Monoclonal Antibody | anti-ALPP antibody

Placental Alkaline Phosphatase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312527	Rabbit	Human	Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Western Blot

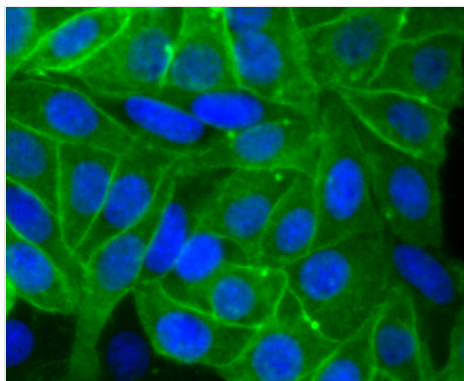
PRODUCT SYNONYMS

Placental Alkaline Phosphatase; Monoclonal Antibody; Placental Alkaline Phosphatase Antibody; Alkaline phosphatase antibody; Alkaline phosphatase placental antibody; Alkaline phosphatase placental type antibody; Alkaline phosphatase Regan isozyme antibody; ALP antibody; Alp1 antibody; ALPP antibody; FLJ61142 antibody; Germ-cell alkaline phosphatase antibody; nagao isozyme antibody; OTTHUMP00000164354 antibody; PALP antibody; Placental alkaline phosphatase 1 antibody; placental heat-stable alkaline phosphatase antibody; placental type antibody; PLAP antibody; PLAP-1 antibody; PLAP1 antibody; PPB1_HUMAN antibody; anti-ALPP antibody

PRODUCT SPECIFICATIONS

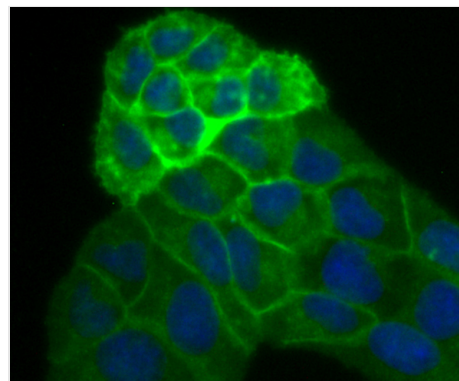
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JM22-53
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-ALPP antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



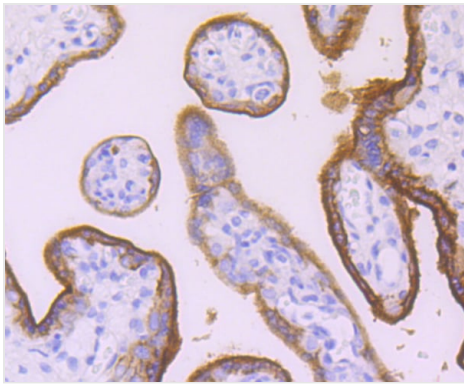
ICC (Immunocytochemistry)

ICC staining PLAP in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



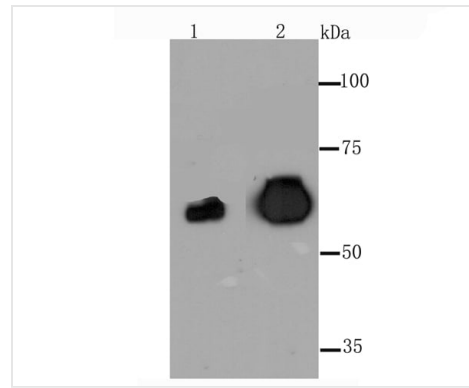
ICC (Immunocytochemistry)

ICC staining PLAP in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-PLAP antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of PLAP on human placenta tissue (1) and Hela cell (2) lysate using anti-PLAP antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-ALPP antibody

Alkaline phosphatases (AP) are glycosyl-phosphatidylinositol (GPI)-anchored, dimeric, Zn²⁺-metallated glycoproteins that catalyze the hydrolysis of phosphomonoesters into an inorganic phosphate and an alcohol. Placental alkaline phosphatase (also known as PLAP, ALPP, PALP, placental ALP-1 or Regan isozyme) is a 530 amino acid, tissue-specific AP that is expressed in the placenta, the serum of pregnant women and ectopically expressed in various cancers, including those of the ovary and testis. PLAP may assist in guiding migratory cells and transporting specific molecules, such as fatty acids and immunoglobulins, across the plasma membrane. The three tissue-specific APs identified in human, PLAP, germ cell AP (GCAP) and intestinal AP, are 90-98% homologous and their genes are clustered on chromosome 2q.

Product Categories/Family for anti-ALPP antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	94721246
NCBI GeneID	250
NCBI Accession #	NP_001623.3
NCBI GenBank Nucleotide #	NM_001632.3
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; Regan isozyme; glycerophosphatase; alkaline phosphomonoesterase; placental alkaline phosphatase 1; alkaline phosphatase Regan isozyme
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/monoclonal/placental-alkaline-phosphatase-antibody-clone-jm22-53-immunohistochemistry-immunofluorescence-immunocytochemistry-western-blot-elisa/312527>