

Mouse anti-Human Alkaline Phosphatase (Placental)/PLAP Monoclonal Antibody | anti-ALPP antibody

Alkaline Phosphatase (Placental)/PLAP (Germ Cell Tumor Marker) Mouse Monoclonal Antibody [Clone rALP/870]

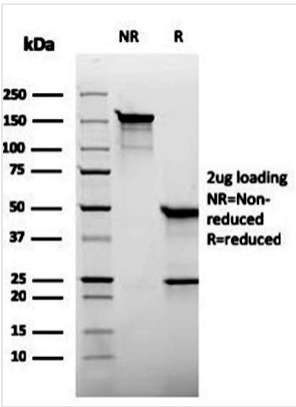
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23954	Mouse	Human	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

Alkaline Phosphatase (Placental)/PLAP; Monoclonal Antibody; Alkaline Phosphatase (Placental)/PLAP (Germ Cell Tumor Marker) Mouse Monoclonal Antibody [Clone rALP/870]; Alkaline Phosphatase (Placental)/PLAP (Germ Cell Tumor Marker); Alkaline phosphatase placental type; Alkaline phosphatase Regan Isozyme; Alp1; ALPP; Germ-cell alkaline phosphatase; nagao Isozyme; PALP; Placental alkaline phosphatase 1; placental heat-stable alkaline phosphatase; PLAP1; anti-ALPP antibody

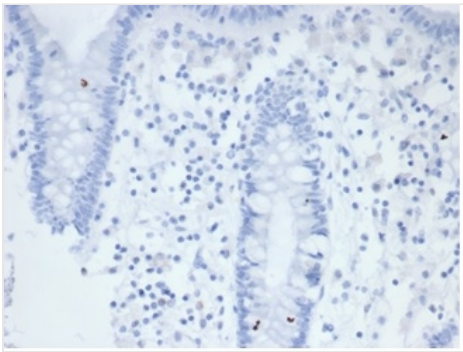
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	rALP/870
Form/Format	1.0mg/ml of Ab purified from Bioreactor Concentrate by Protein A/G.
Applicable Applications for anti-ALPP antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1-2ug/ml IHC (Formalin-fixed): 1-2ug/ml for 30 minutes at RT (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH9.0, for 45 minutes at 95 degree C followed by cooling at RT for 20 minutes)
Immunogen	Recombinant full-length human ALPP protein
Cellular Localization	Cytoplasmic, Cell surface
Positive Control	JEG-3 or HepG2 cells. Human placenta or seminoma.
Hu-chromosome Location	2q37.1
Unigene	284255
Preparation and Storage	Antibody without azide: store at -20 to -80°C Non-hazardous. No MSDS required.



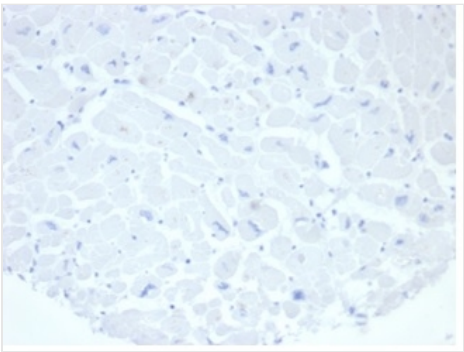
SDS-PAGE

SDS-PAGE Analysis Purified Alkaline Phosphatase Recombinant Mouse Monoclonal (rALP/870). Confirmation of Purity and Integrity of Antibody.



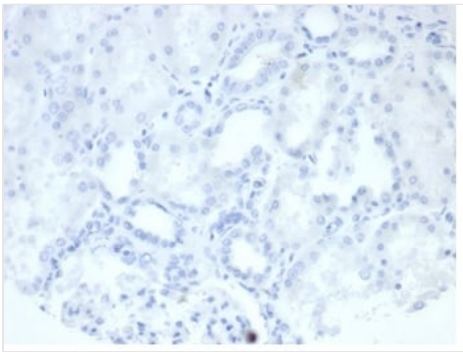
IHC (Immunohistochemistry)

IHC analysis of formalin-fixed, paraffin-embedded human colon. Negative tissue control using rALP/870 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.



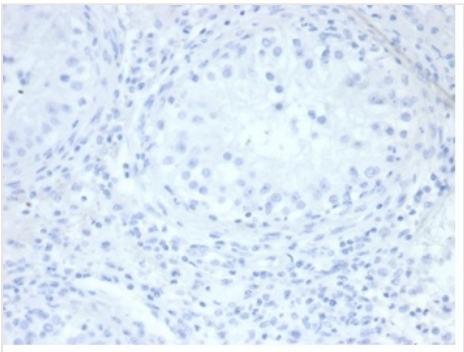
IHC (Immunohistochemistry)

IHC analysis of formalin-fixed, paraffin-embedded human heart. Negative tissue control using rALP/870 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.



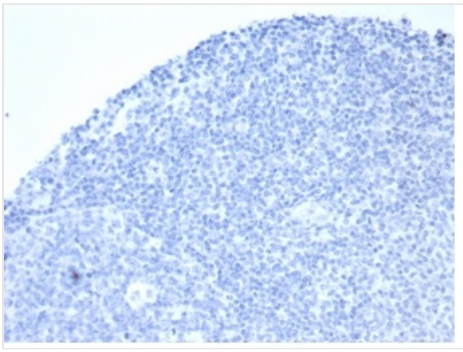
IHC (Immunohistochemistry)

IHC analysis of formalin-fixed, paraffin-embedded human kidney. Negative tissue control using rALP/870 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.



IHC (Immunohistochemistry)

IHC analysis of formalin-fixed, paraffin-embedded human testis. Negative tissue control using rALP/870 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.



IHC (Immunohistochemistry)

IHC analysis of formalin-fixed, paraffin-embedded human tonsil. Negative tissue control using rALP/870 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2: HRP-polymer, 30min. DAB, 5min.

ADDITIONAL INFORMATION

Related Product Information for anti-ALPP antibody

Reacts with a 70kDa membrane-bound isozyme (Regan and Nagao type) of Placental Alkaline Phosphatase (PLAP) occurring in the placenta during the 3rd trimester of gestation. It is highly specific for PLAP and shows no cross-reaction with other isozymes of alkaline phosphatase. Anti-PLAP reacts with germ cell tumors and can discriminate between these and other neoplasms. Somatic neoplasms e. g. breast, gastrointestinal, prostatic, and urinary cancers may also immunoreact with antibodies to PLAP. Anti-PLAP positivity in conjunction with anti-keratin negativity favors seminoma over carcinoma. Germ cell tumors are usually anti-keratin positive, but they regularly fail to stain with anti-EMA, whereas most carcinomas stain with anti-EMA. Anti-PLAP has been useful in the identification of gestational trophoblastic disease.

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	70 kDa
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/alkaline-phosphatase-placental-plap-antibody-clone-ralp-870-western-blot-immunohistochemistry-elisa/23954>