

Mouse anti-Human PLAP Monoclonal Antibody | anti-PLAP antibody

PLAP

CATALOG # AAA59301	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
------------------------------	----------------------	----------------------------	---

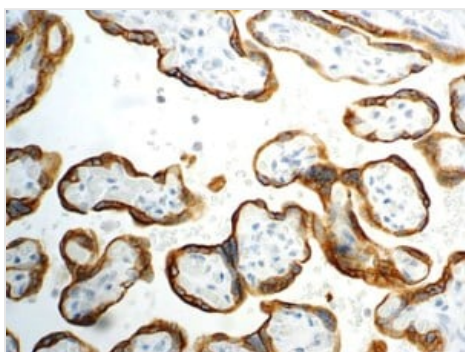
PRODUCT SYNONYMS

PLAP; Monoclonal Antibody; anti-PLAP antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Form/Format	PLAP is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Sequence Length	351
Applicable Applications for anti-PLAP antibody	IHC (Immunohistochemistry)
Localization	Cytoplasmic
Control	Placenta
Intended Use	This antibody is intended for use in Immunohistochemical applications on formalin-fixed paraffin-embedded tissues (FFPE), frozen tissue sections and cell preparations. Interpretation of results should be performed by a qualified medical professional. * The PLAP antibody, clone EP194, has been manufactured using Epitomics RabMab technology covered under Patent No.'s 5,675,063 and 7,402,409.
Immunogen	A synthetic peptide corresponding to residues of human PLAP protein.
Preparation and Storage	Store at 2 to 8 degree C in the dark.

IMAGES



IHC (Immunohistochemistry)
IHC of PLAP on an FFPE Placenta Tissue

Antibody Type	Dilution	Volume/Qty
Tinto Prediluted	Ready-to-Use	3.0 mL
Tinto Prediluted	Ready-to-Use	7.0 mL
Tinto Prediluted	Ready-to-Use	15.0 mL
Concentrated	1:100 - 1:500	0.1 mL
Concentrated	1:100 - 1:500	0.5 mL
Concentrated	1:100 - 1:500	1.0 mL
Control Slides	Not Applicable	5 slides

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-PLAP antibody	Alkaline phosphatase, placental type also known as placental alkaline phosphatase (PLAP) is an allosteric enzyme that in humans is encoded by the ALPP gene. PLAP is found in trophoblast cells of normal mature human placenta, Seminomas of testis and Ovarian Carcinomas. Detection of alkaline phosphatase in serum is a marker for Ovarian and Testicular Cancer. This antibody reacts with a membrane-bound isoenzyme of placental alkaline phosphatase occurring in the placenta during the 3rd trimester of gestation. This antibody immunoreacts 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. PLAP positivity, in conjunction with keratin negativity, favors Seminoma over Carcinoma. Germ Cell Tumors are usually keratin positive but they regularly fail to stain with EMA, whereas most Carcinomas stain with anti-EMA. This antibody has shown cross-reaction with human intestinal alkaline phosphatase.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	1017706
NCBI GeneID	116645
Molecular Weight	87,084 Da
NCBI Official Full Name	PLAP
NCBI Official Synonym Full Names	phospholipase A2, activating protein
NCBI Official Symbol	Plaa
NCBI Official Synonym Symbols	Plap; PLA2P
NCBI Protein Information	phospholipase A-2-activating protein
UniProt Protein Name	Phospholipase A-2-activating protein
UniProt Gene Name	Plaa
UniProt Synonym Gene Names	Plap; PLA2P; PLAP
UniProt Entry Name	PLAP_RAT

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.