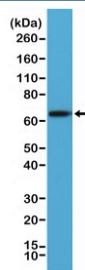


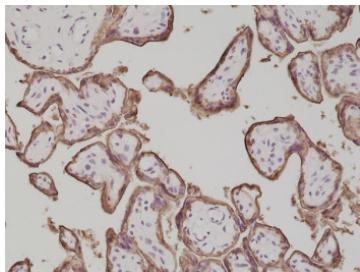
Recombinant PLAP Antibody / Placental Alkaline Phosphatase / N-Terminal [clone RM317] (R20336)

Catalog No.	Formulation	Size
R20336-0.1ML	Antibody in PBS with 50% glycerol, 1% BSA and 0.09% sodium azide	100 ul

Recombinant	RABBIT MONOCLONAL	Bulk quote request
Availability	1-3 business days	
Species Reactivity	Human	
Format	Purified	
Host	Rabbit	
Clonality	Recombinant Rabbit Monoclonal	
Isotype	Rabbit IgG	
Clone Name	RM317	
Purity	Protein A purified from animal origin-free supernatant	
UniProt	P05187	
Localization	Cytoplasmic, cell membrane	
Applications	Immunohistochemistry (FFPE) : 1:500-1:1000 Western Blot : 1:1000-1:2000	
Limitations	This recombinant PLAP antibody is available for research use only.	



Western blot testing of human A431 cell lysate with recombinant PLAP antibody at 1:2000 dilution. Predicted molecular weight ~58 kDa but routinely visualized at 60-70 kDa.



IHC testing of formalin fixed and paraffin embedded human placental tissue with recombinant PLAP antibody at 1:500 dilution. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

Alkaline phosphatase, placental type is a membrane-bound glycosylated dimeric 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.

PLAP is a tumor marker, especially in seminoma and ovarian cancer. PLAP is reliable only in non-smokers, as smoking interferes with measurement of PLAP, since serum concentrations of PLAP are increased up to 10-fold in smokers and its measurement is therefore of little value in this group. [Wiki]

Application Notes

The stated application concentrations are suggested starting points. Titration of the recombinant PLAP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A peptide corresponding to the N-terminus of human placental alkaline phosphatase was used as the immunogen for the recombinant PLAP antibody.

Storage

Store the recombinant PLAP antibody at -20oC.