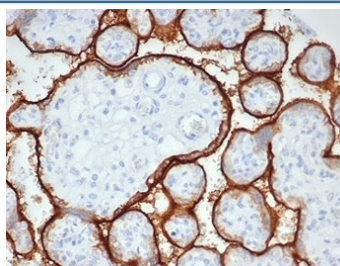


Recombinant ALPP Antibody / Placental Alkaline Phosphatase [clone rALP/870] (V9465)

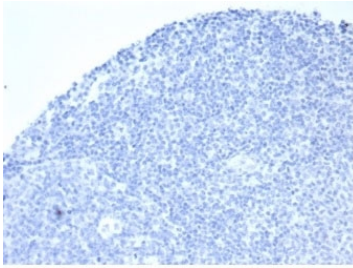
Catalog No.	Formulation	Size
V9465-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9465-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9465SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

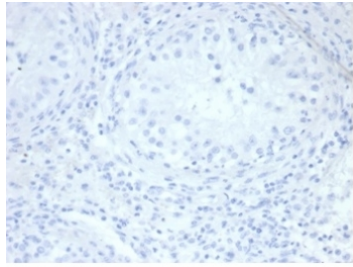
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	rALP/870
Purity	Protein A/G affinity
UniProt	P05187
Localization	Cytoplasmic, Cell surface
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant ALPP antibody is available for research use only.



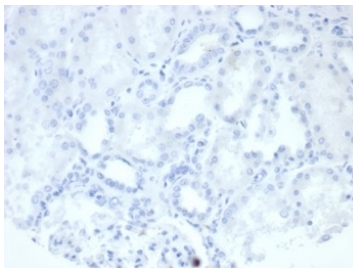
IHC staining of FFPE human placental tissue with recombinant ALPP antibody (clone rALP/870) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



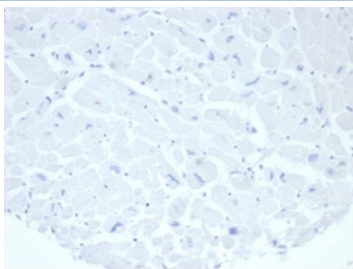
Negative control: IHC staining of FFPE human tonsil tissue with recombinant ALPP antibody (rALP/870) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



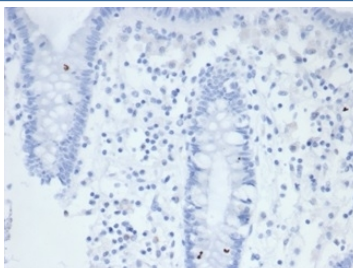
Negative control: IHC staining of FFPE human testis tissue with recombinant ALPP antibody (clone rALP/870) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



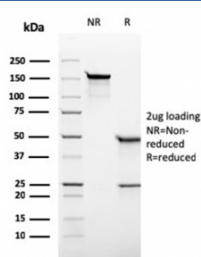
Negative control: IHC staining of FFPE human kidney tissue with recombinant ALPP antibody (clone rALP/870) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC staining of FFPE human heart tissue with recombinant ALPP antibody (clone rALP/870) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC staining of FFPE human colon tissue with recombinant ALPP antibody (clone rALP/870) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant ALPP antibody (clone rALP/870) as confirmation of integrity and purity.

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 diagnosis of gestational trophoblastic disease.

Application Notes

Optimal dilution of the recombinant ALPP antibody should be determined by the researcher.

Immunogen

Recombinant full-length human ALPP protein was used as the immunogen for the recombinant ALPP antibody.

Storage

Aliquot the recombinant ALPP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.