For Research Use Only

Mouse Alpl Recombinant monoclonal antibody, PBS Only

Catalog Number:86158-3-PBS

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Basic Information

Catalog Number:
86158-3-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG2714

GenBank Accession Number:
NM_001287172.1

GeneID (NCBI):
11647

UNIPROT ID:
P09242

Full Name:
alkaline phosphatase, liver/bone/kidney

Calculated MW:
58 kDa

Observed MW:
70-80 kDa

Purification Method:
Protein A purification

CloneNo.:
250592G2

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
mouse, rat

Background Information

There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The product of this gene is a membrane bound glycosylated enzyme that is expressed in multiple tissues including liver, bone, and kidney, rather than being restricted to a single tissue and is, therefore, referred to as the tissue-nonspecific form of the enzyme. ALPL(Alkaline phosphatase, tissue-nonspecific isozyme) is also named as AP-TNAP, TNSALP and belongs to the alkaline phosphatase family. It can exsit as a homodimer with the molecular weight of 140 kDa(PMID:18724009). ALPL was synthesized as a 66-kDa endo-b-N-acetylglucos-aminidase H (Endo H)-sensitive form, and processed to an 80-kDa mature form, which is anchored to the plasma membrane via glycosylphosphatidylinositol (GPI)(PMID:10839996).

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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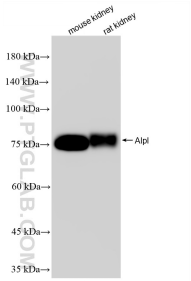
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86158-3-RR (Alpl antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86158-3-PBS in a different storage buffer formulation.