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

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).

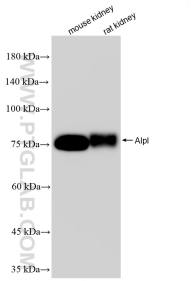
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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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.