

ALPL Monoclonal antibody

Catalog Number: 68719-1-Ig

Basic Information

Catalog Number:

68719-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG33678

GenBank Accession Number:

BC021289

GeneID (NCBI):

249

UNIPROT ID:

P05186

Full Name:alkaline phosphatase,
liver/bone/kidney**Calculated MW:**

57 kDa

Observed MW:

80 kDa

Purification Method:

Protein A purification

CloneNo.:

2E3C1

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, pig, rabbit

Positive Controls:

WB : pig kidney tissue, rabbit kidney tissue

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 not expressed in any particular 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 exist as a homodimer with the molecular weight of 140 kDa (PMID:18724009). ALPL was synthesized as a 66-kDa endo-b-N-acetylglucosaminidase 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:

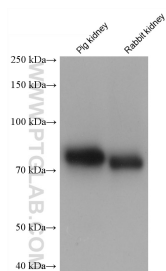
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68719-1-Ig (ALPL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.