

For Research Use Only

ALPL Monoclonal antibody, PBS Only

Catalog Number: 68719-1-PBS



Basic Information

Catalog Number: 68719-1-PBS	GenBank Accession Number: BC021289	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 249	CloneNo.: 2E3C1
Source: Mouse	UNIPROT ID: P05186	
Isotype: IgG2a	Full Name: alkaline phosphatase, liver/bone/kidney	
Immunogen Catalog Number: AG33678	Calculated MW: 57 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, pig, rabbit

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

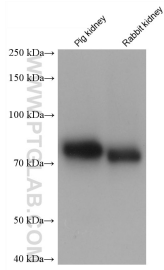
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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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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. This data was developed using the same antibody clone with 68719-1-PBS in a different storage buffer formulation.