

For Research Use Only

# Alpl Polyclonal antibody

Catalog Number: 33076-1-AP **6 Publications**



## Basic Information

<b>Catalog Number:</b> 33076-1-AP	<b>GenBank Accession Number:</b> NM_001287172.1	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 11647	<b>Recommended Dilutions:</b> WB: 1:1000-1:8000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P09242	
<b>Isotype:</b> IgG	<b>Full Name:</b> alkaline phosphatase, liver/bone/kidney	
<b>Immunogen Catalog Number:</b> EG2714	<b>Calculated MW:</b> 58 kDa	
	<b>Observed MW:</b> 70-80 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, mouse kidney tissue, rat kidney tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> 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 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Diwen Shi	41970320	Bioact Mater	WB
Lei Li	41919892	Braz J Med Biol Res	WB
Xueqiang Deng	41823497	Adv Healthc Mater	WB

## Storage

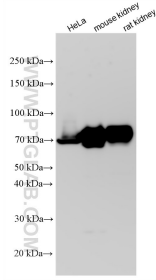
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

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  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33076-1-AP (ALP antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.