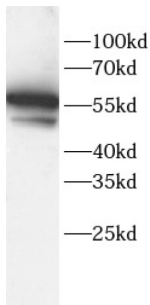
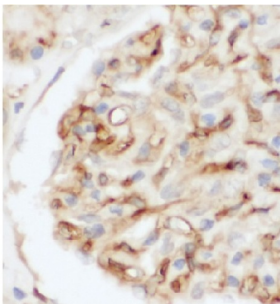


Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) Antibody

Catalogue No.: abx146588



WB analysis of HeLa cells, using ALPL antibody (1/800 dilution).



IHC-P analysis of human kidney tissue, using ALPL antibody (1/50 dilution).

Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) Antibody is a Rabbit Polyclonal antibody for the detection of ALPL.

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). This antibody can bind the four mentioned alkaline phosphatases.

Target: Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB, IHC

Host: Rabbit

Recommended dilutions: WB: 1/500 - 1/2000, IHC: 1/20 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Datasheet

Version: 3.0.0
Revision date: 27 Mar 2025



Immunogen:	alkaline phosphatase, liver/bone/kidney
Isotype:	IgG
Form:	Liquid
Purity:	≥ 95% (SDS-PAGE)
Purification:	Purified by immunogen affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Validity:	12 months.
UniProt Primary AC:	P05186 (UniProt , ExpASY)
Gene Symbol:	ALPL
GeneID:	249
OMIM:	146300
HGNC:	438
KEGG:	hsa:249
Ensembl:	ENSG00000162551
String:	9606.ENSP00000363973
Molecular Weight:	Observed MW: 45-60 kDa
Buffer:	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
Concentration:	2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.