Product Datasheet

ALPL antibody

Catalog No: #38179

Package Size: #38179-1 50ul #38179-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

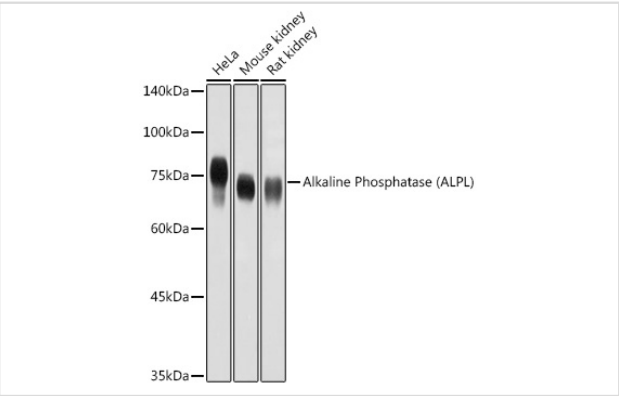
Description

Product Name	ALPL antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total ALPL protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human Alkaline Phosphatase (Alkaline Phosphatase (ALPL)) (NP_000469.3).
Conjugates	Unconjugated
Target Name	ALPL
Other Names	ALPL;AP-TNAP;APTNAP;HOPS;TNAP
Accession No.	Uniprot:P05186GeneID:249
SDS-PAGE MW	80KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

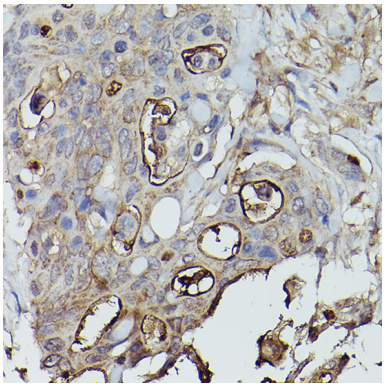
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

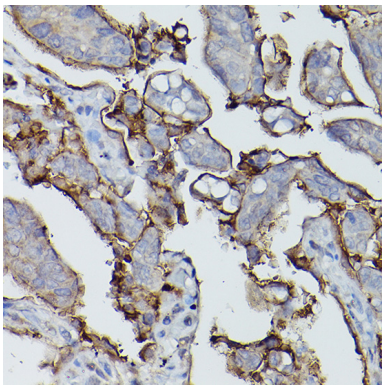
Images



Western blot analysis of extracts of various cell lines, using Alkaline Phosphatase (ALPL) antibody.



Immunohistochemistry of paraffin-embedded human colon carcinoma using Alkaline Phosphatase (ALPL) Rabbit pAb.



Immunohistochemistry of paraffin-embedded human lung cancer using Alkaline Phosphatase (ALPL) Rabbit pAb.

Background

This gene encodes a member of the alkaline phosphatase family of proteins. There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The first three are located together on chromosome 2, while the tissue non-specific form is located on chromosome 1. 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. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature enzyme. This enzyme may play a role in bone mineralization. Mutations in this gene have been linked to hypophosphatasia, a disorder that is characterized by hypercalcemia and skeletal defects.

Published Papers

el at., Surface mIneralized biphasic calcium phosphate ceramics loaded with urIne-derived stem cells are effective In bone regeneration. In J Orthop Surg Res on 2019 Dec 9 by XIng , Li L, et al..PMID:31818319, , (2019)

PMID:31818319

Note: This product is for in vitro research use only and is not intended for use in humans or animals.