

ALPL

Reactivity:Human Mouse Rat

Tested applications:WB IHC ICC IP FC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IP 1:20 - 1:50
FC 1:10 - 1:50

Calculated MW:57 kDa

Observed MW:Refer to figures

Immunogen:

Recombinant protein of human ALPL

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

HOPS; TNAP; APTNAP; TNSALP; AP-TNAP;

Catalog #:A11138

Antibody Type:

Monoclonal Antibody

Species:Rabbit

Gene ID:249

Isotype:IgG

Swiss Prot:P05186

Purity:Affinity purification

For research use only.

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.

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