

Alkaline Phosphatase (ALPL) Rabbit pAb

Catalog No.: A25629

Basic Information

Observed MW

Refer to figures

Calculated MW

57kDa

Category

Primary antibody

Applications

ELISA,IF/ICC

Cross-Reactivity

Mouse

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.

Recommended Dilutions

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

249

Swiss Prot

P05186

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 101-200 of human Lrwd1 (NP_000469.3).

Synonyms

HOPS; HPPA; HPPC; HPPI; HPPO; TNAP; TNALP; APTNAP; TNSALP; AP-TNAP; TNS-ALP

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.