

ALPL Antibody

Catalog No: #35565

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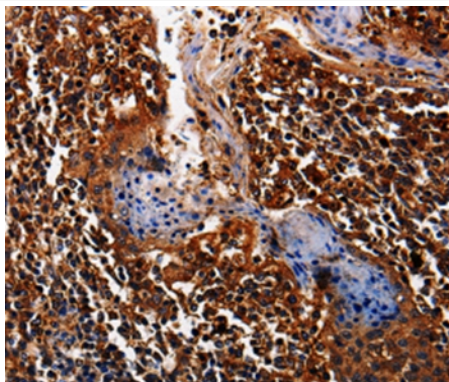
Description

Product Name	ALPL Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ALPL protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the N terminal of human Alkaline phosphatase
Target Name	ALPL
Other Names	HOPS; TNAP; APTNAP; TNSALP; AP-TNAP
Accession No.	Swiss-Prot#: P05186NCBI Gene ID: 249Gene Accssion: BC110909
Concentration	0.5mg/ml
Formulation	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human tonsil tissue using #35565 at dilution 1/25.

Background

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. The exact physiological function of the alkaline phosphatases is not known. A proposed function of this form of the enzyme is matrix mineralization; however, mice that lack a functional form of this enzyme show normal skeletal development. This enzyme has been linked directly to hypophosphatasia, a disorder that is characterized by hypercalcemia and includes skeletal defects. The character of this disorder can vary, however,

depending on the specific mutation since this determines age of onset and severity of symptoms. Alternatively spliced transcript variants have been described.

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