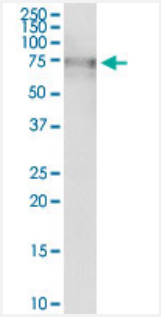
ALPL (Human) IP-WB Antibody Pair

Catalog # H00000249-PW2 Size 1 Set

Applications



Immunoprecipitation of ALPL transfected lysate using rabbit purified polyclonal anti-ALPL and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-ALPL.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of ALPL transfected lysate using rabbit purified polyclonal anti-ALPL and Protei n A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-ALPL.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit purified polyclonal anti-ALPL (300 ug) 2. Antibody pair for WB: mouse purified polyclonal anti-ALPL (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

Protocol Download

Gene Info — ALPL

Entrez GeneID	249
Gene Name	ALPL
Gene Alias	AP-TNAP, FLJ40094, FLJ93059, HOPS, MGC161443, MGC167935, TNAP, TNSALP
Gene Description	alkaline phosphatase, liver/bone/kidney
Omim ID	146300 171760 241500 241510
Gene Ontology	Hyperlink
Gene Summary	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, which encode the same protein, have been identified for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000002971|OTTHUMP00000002972|alkaline phosphatase, tissue-nonspecific isozyme|alkaline phosphomonoesterase|glycerophosphatase|liver/bone/kidney-type alkaline phosphatase|tissue non-specific alkaline phosphatase|tissue-nonspecific ALP

Pathway

- Folate biosynthesis
- gamma-Hexachlorocyclohexane degradation
- Metabolic pathways

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Chondrocalcinosis

- Diabetes Complications
- Fractures
- Genetic Predisposition to Disease
- Hypertension
- Hypophosphatasia
- Kidney Failure
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis
- Spondylitis
- Tobacco Use Disorder