

alkaline phosphatase(liver/bone/kidney) antibody

Catalog No: #22964

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Description

Product Name	alkaline phosphatase(liver/bone/kidney) antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 369 of alkaline phosphatase (liver/bone/kidney)
Target Name	alkaline phosphatase(liver/bone/kidney)
Accession No.	Swiss-Prot:P05186Gene ID:249
Uniprot	P05186
GeneID	249;
Concentration	0.5mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

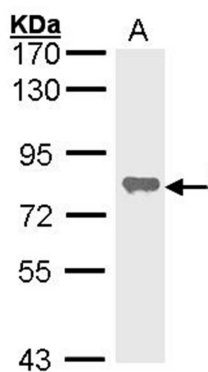
Application Details

Predicted MW: 57kd

Western blotting: 1:500-1:3000

Immunohistochemistry: 1:50-1:500

Images

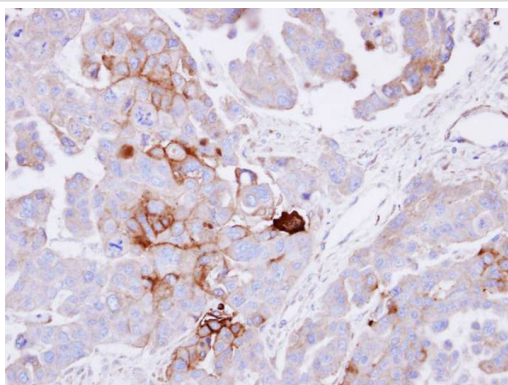


Sample (30 ug of whole cell lysate)

A: Hela

7.5% SDS PAGE

Primary antibody diluted at 1: 1000



Immunohistochemical analysis of paraffin-embedded OVCAR3 xenograft, using alkaline phosphatase (liver/bone/kidney) antibody at 1: 100 dilution.

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, which encode the same protein, have been identified for this gene. [provided by RefSeq]

Note: This product is for in vitro research use only