产品名称：TNAP Rabbit Polyclonal Antibody
产品货号：APRab19082

产品概述（Summary）

产品名称（Production Name）	TNAP Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,ELISA
种属反应性（Reactivity）	Human,Mouse,Rat

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	ALPL
别名（Alternative Names）	ALPL; Alkaline phosphatase; tissue-nonspecific isozyme; AP-TNAP; TNSALP; Alkaline phosphatase liver/bone/kidney isozyme
基因 ID（Gene ID）	249.0
蛋白 ID（SwissProt ID）	P05186.The antiserum was produced against synthesized peptide derived from human ALPL. AA range:201-250

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,ELISA 1:20000-1:40000
蛋白分子量（Molecular Weight）	70kDa

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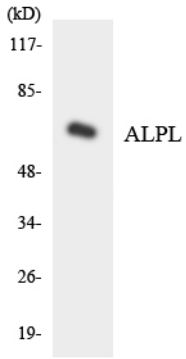
研究背景（Background）

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. [provcatalytic activity:A phosphate monoester + H(2)O = an alcohol + phosphate.,cofactor:Binds 1 magnesium ion.,cofactor:Binds 2 zinc ions.,disease:Defects in ALPL are a cause of hypophosphatasia adult type (hypophosphatasia) [MIM:146300].,disease:Defects in ALPL are a cause of hypophosphatasia childhood (hypophosphatasia) [MIM:241510].,disease:Defects in ALPL are a cause of hypophosphatasia infantile (hypophosphatasia) [MIM:241500]; an inherited metabolic bone disease characterized by defective skeletal mineralization. Four hypophosphatasia forms are distinguished, depending on the age of onset: perinatal, infantile, childhood and adult type. The perinatal form is the most severe and is almost always fatal. Patients with only premature loss of deciduous teeth, but with no bone disease are regarded as having odontohypophosphatasia (odonto).,function:This isozyme may play a role in skeletal mineralization.,miscellaneous:In most mammals there are four different isozymes: placental, placental-like, intestinal and tissue non-specific (liver/bone/kidney).,online information:Alkaline phosphatase entry,online information:Tissue nonspecific alkaline phosphatase gene mutations database,PTM:Glycosylated.,similarity:Belongs to the alkaline phosphatase family.,subunit:Homodimer.,

研究领域（Research Area）

Folate biosynthesis;

图片（Image Data）



Western blot analysis of the lysates from Jurkat cells using ALPL antibody.

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注意事项（Note）

For research use only .