



TNAP Polyclonal Antibody

Cat #: ABP53294

Size: 30µl /100µl /200µl

Product Information

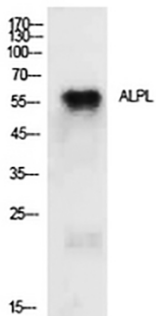
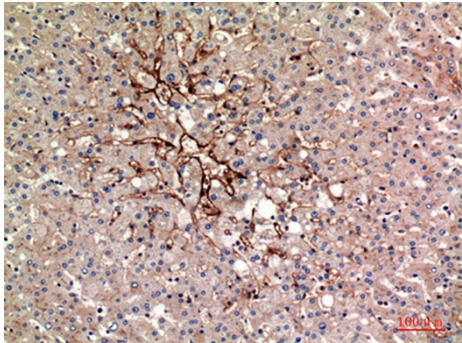
	Product Name: TNAP Polyclonal Antibody		
	Applications: WB, IHC-P, ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Rat		
REF	Catalog Number: ABP53294	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: ALPL 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.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), ELISA (1:10000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

 <p>Western Blot analysis of MCF7 cells. The image shows a single prominent band at approximately 55 kDa, labeled 'ALPL'. Molecular weight markers are indicated on the left at 170, 130, 100, 70, 55, 45, 35, 25, and 15 kDa.</p>	<p>Fig.1. Western Blot analysis of MCF7 cells using TNAP Polyclonal Antibody. Secondary antibody (catalog#: A21020) was diluted at 1:20000.</p>
 <p>Immunohistochemical analysis of paraffin-embedded human liver tissue. The image shows brown staining (DAB) indicating the presence of the target antigen, with blue counterstain (hematoxylin) for nuclei. A scale bar in the bottom right corner indicates 100 μm.</p>	<p>Fig.2. Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100.</p>

Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.