

Datasheet for ABIN7151386  
**anti-ENPP1 antibody (AA 1-75) (Biotin)**



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## Overview

Quantity:	100 µg
Target:	ENPP1
Binding Specificity:	AA 1-75
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENPP1 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Ectonucleotide pyrophosphatase/phosphodiesterase family member 1 protein (1-75AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	ENPP1
Alternative Name:	ENPP1 ( <a href="#">ENPP1 Products</a> )
Background:	Background: By generating PPI, plays a role in regulating pyrophosphate levels, and functions in

## Target Details

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bone mineralization and soft tissue calcification. PPI inhibits mineralization by binding to nascent hydroxyapatite (HA) crystals, thereby preventing further growth of these crystals. Preferentially hydrolyzes ATP, but can also hydrolyze other nucleoside 5' triphosphates such as GTP, CTP, TTP and UTP to their corresponding monophosphates with release of pyrophosphate and diadenosine polyphosphates, and also 3',5'-cAMP to AMP. May also be involved in the regulation of the availability of nucleotide sugars in the endoplasmic reticulum and Golgi, and the regulation of purinergic signaling. Appears to modulate insulin sensitivity and function.

Aliases: Alkaline phosphodiesterase 1 antibody, ARHR2 antibody, COLED antibody, E-NPP 1 antibody, Ectonucleotide pyrophosphatase/phosphodiesterase 1 antibody, Ectonucleotide pyrophosphatase/phosphodiesterase family member 1 antibody, ENPP1 antibody, ENPP1\_HUMAN antibody, Ly 41 antigen antibody, M6S1 antibody, Membrane component chromosome 6 surface marker 1 antibody, NPP1 antibody, NPPase antibody, NPPS antibody, Nucleotide pyrophosphatase antibody, PC 1 antibody, PC-1 antibody, PCA1 antibody, PDNP1 antibody, Phosphodiesterase I/nucleotide pyrophosphatase 1 antibody, Plasma cell membrane glycoprotein 1 antibody, Plasma-cell membrane glycoprotein PC-1 antibody

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UniProt: [P22413](#)

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Pathways: [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.