Datasheet for ABIN7151388

anti-ENPP1 antibody (AA 1-75) (HRP)

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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 HRP
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 (ENPP1 Products)
Background:	Background: By generating PPi, plays a role in regulating pyrophosphate levels, and functions in

Target Details

	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
UniProt:	P22413
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.