Datasheet for ABIN1431280

anti-ENPP1 antibody (PE-Cy7)

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Overview

Quantity:	100 µL
Target:	ENPP1
Reactivity:	Human, Mouse, Rat, Pig, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENPP1 antibody is conjugated to PE-Cy7
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ENPP1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ENPP1
Alternative Name:	ENPP1 (ENPP1 Products)
Background:	Synonyms: M6S1, NPP1, NPPS, PC-1, PCA1, ARHR2, COLED, PDNP1, Ectonucleotide pyrophosphatase/phosphodiesterase family member 1, E-NPP 1, Membrane component

Target Details

	chromosome 6 surface marker 1, Phosphodiesterase I/nucleotide pyrophosphatase 1, Plasma-cell membrane glycoprotein PC-1, ENPP1, PC1 Background: By generating PPi, plays a role in regulating pyrophosphate levels, and functions in 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.
Molecular Weight:	100kDa
Gene ID:	5167
UniProt:	P22413
Pathways:	Regulation of Carbohydrate Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months