

## ENPP1 Antibody FITC Conjugated

Catalog No: #C05445F

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	ENPP1 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 97-150 925 derived from human ENPP1
Conjugates	FITC
Target Name	ENPP1
Other Names	M6S1; NPP1; NPPS; PC-1; PCA1; ARHR2; COLED; PDNP1; Ectonucleotide pyrophosphatase phosphodiesterase family member 1; E-NPP 1; Membrane component chromosome 6 surface marker 1; Phosphodiesterase I nucleotide pyrophosphatase 1; Plasma-cell membrane glycoprotein PC-1; ENPP1; PC1
Accession No.	Swiss-Prot#P22413NCBI Gene ID5167
Uniprot	P22413
GeneID	5167;
Excitation Emission	494nm 518nm
Cell Localization	Extracellular
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

ICC=1:50-200 IF=1:50-200

## 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.

Note: This product is for in vitro research use only