

# Enpp1 Rabbit Polyclonal Antibody

Catalog No: #54474



Package Size: #54474-1 50ul #54474-2 100ul

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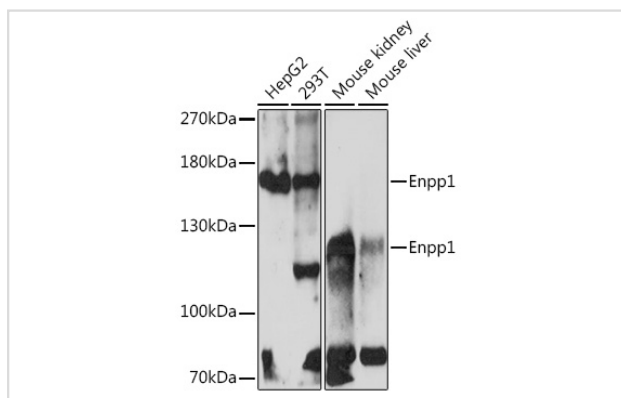
## Description

Product Name	Enpp1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of mouse Enpp1 (NP_032839.3).
Other Names	Pca;ttw;twy;M6S1;NPP1;Npps;PC-1;Ly-41;Pca-1;Pdn1;C76301;CD203c;E-NPP1;E-NPP1;AI428932;4833416E15Rik;Enpp1
Accession No.	Swiss Prot:G3X9S2Gene ID:18605
Calculated MW	103kDa
SDS-PAGE MW	120kDa/170kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

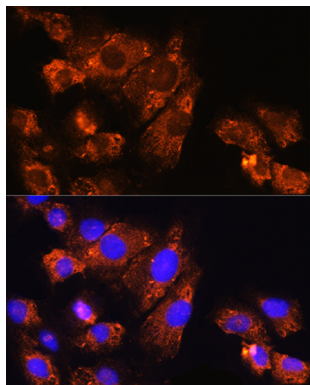
## Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

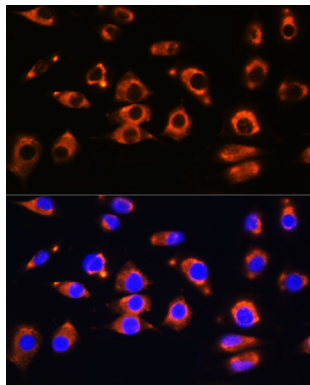
## Images



Western blot analysis of extracts of various cell lines, using Enpp1 Rabbit pAb.



Immunofluorescence analysis of C6 cells using Enpp1 Rabbit pAb.



Immunofluorescence analysis of L929 cells using Enpp1 Rabbit pAb.

## Background

This gene encodes a member of the nucleoside pyrophosphatase/phosphodiesterase family of enzymes that catalyzes the hydrolysis of pyrophosphate and phosphodiester bonds in nucleotide triphosphates and oligonucleotides, respectively, to generate nucleoside 5'-monophosphates. The encoded protein is a type II transmembrane glycoprotein that negatively regulates bone mineralization. Mice harboring a nonsense mutation in this gene, termed tiptoe walking (ttw), exhibit ectopic ossification of the spinal ligaments. The encoded protein binds to the insulin receptor, inhibits downstream signaling events and induces insulin resistance and glucose tolerance. This gene is located adjacent to a paralog on chromosome 10. Alternative splicing results in multiple transcript variants encoding different isoforms.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.