

For Research Use Only

# PNPT1 Monoclonal antibody, PBS Only



Catalog Number: 68309-1-PBS

## Basic Information

Catalog Number:

68309-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6290

GenBank Accession Number:

BC053660

GeneID (NCBI):

87178

UNIPROT ID:

Q8TCS8

Full Name:

polyribonucleotide  
nucleotidyltransferase 1

Calculated MW:

86 kDa

Observed MW:

86 kDa

Purification Method:

Protein G purification

CloneNo.:

3F2A1

## Applications

Tested Applications:

WB, IF, Indirect ELISA

Species Specificity:

Human, Mouse, Rat

## Background Information

PNPT1 (polynucleotide phosphorylase 1; also known as PNPASE) localizes in the mitochondrial intermembrane and regulates RNA import into mitochondria (20691904). PNPT1 is also involved in mRNA degradation. As a type I IFN-inducible gene, PNPT1 plays an essential role in mediating IFN-mediated inflammatory processes (17804700). Recently mutation in PNPT1 has been reported to cause hereditary hearing loss (23084290). This antibody detected the endogenous PNPT1 around 80 kDa in mouse brain.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

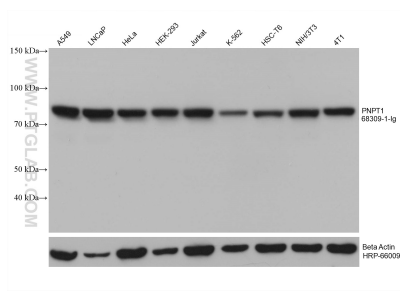
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

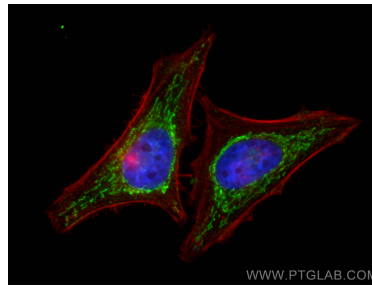
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68309-1-Ig (PNPT1 antibody) at dilution of 1:10000 and incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68309-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PNPT1 antibody (68309-1-Ig, Clone: 3F2A1 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68309-1-PBS in a different storage buffer formulation.