For Research Use Only

CoraLite® Plus 488-conjugated PNPT1 Monoclonal antibody

Catalog Number:CL488-68309

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-68309

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

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

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human, mouse, rat

Positive Controls:

IF/ICC : A431 cells,

Background Information

PNPT1 (polynucleotide phosphorylase1; 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 -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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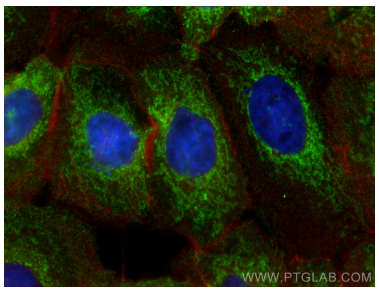
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite® Plus 488 PNPT1 antibody (CL488-68309, Clone: 3F2A1) at dilution of 1:100, CL594-Phalloidin (red).