

For Research Use Only

# CoraLite® Plus 488-conjugated NAPRT1 Monoclonal antibody



Catalog Number: **CL488-66159**

Featured Product

## Basic Information

Catalog Number:

CL488-66159

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG4265

GenBank Accession Number:

BC032466

GeneID (NCBI):

93100

UNIPROT ID:

Q6XQN6

Full Name:

nicotinate phosphoribosyltransferase  
domain containing 1

Calculated MW:

514 aa, 55 kDa

Observed MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

5D8H10

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

Positive Controls:

IF/ICC : HeLa cells,

## Background Information

Nicotinic acid (NA) is a coenzyme in cellular redox reactions, and is an essential component of metabolic pathways in all living cells. NAPRT1 (Nicotinate phosphoribosyltransferase) is essential for increasing cellular NAD levels and, thus, to prevent oxidative stress of cells. NAPRT1 converts Nicotinic acid (NA; niacin) to NA mononucleotide (NaMN), which is then converted to NA adenine dinucleotide (NaAD), and finally to nicotinamide adenine dinucleotide (NAD).

## 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: 4006900926

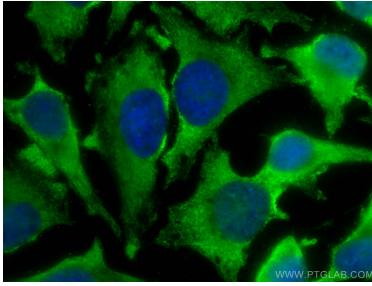
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 NAPRT1 antibody (CL488-66159, Clone: 5D8H10 ) at dilution of 1:200.