

For Research Use Only

CoraLite® Plus 488-conjugated NAPRT1 Monoclonal antibody



Catalog Number: **CL488-66159**

Featured Product

Basic Information

Catalog Number: CL488-66159	GenBank Accession Number: BC032466	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 93100	CloneNo.: 5D8H10
Source: Mouse	Full Name: nicotinate phosphoribosyltransferase domain containing 1	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 514 aa, 55 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG4265	Observed MW: 51 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HeLa cells,
Species Specificity: human, mouse	

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

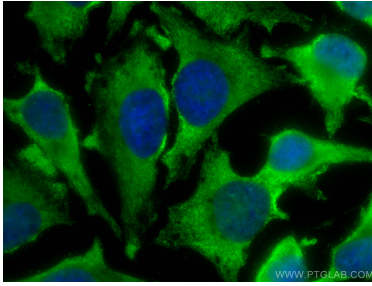
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.