

For Research Use Only

CoraLite® Plus 488-conjugated NNT Monoclonal antibody



Catalog Number:CL488-68194

Basic Information

Catalog Number:

CL488-68194

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG4259

GenBank Accession Number:

BC032370

GeneID (NCBI):

23530

UNIPROT ID:

Q13423

Full Name:

nicotinamide nucleotide
transhydrogenase

Calculated MW:

1085 aa, 114 kDa

Observed MW:

114 kDa

Purification Method:

Protein A purification

CloneNo.:

1F5H6

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, Rabbit, Pig

Positive Controls:

IF/ICC : HeLa cells,

Background Information

NNT(nicotinamide nucleotide transhydrogenase) is a transmembrane protein and functions as a proton pumping transhydrogenase. The protein is present in both prokaryotes and eukaryotes and is located in the inner membrane of mitochondria. In prokaryotic cells, the enzyme is composed of α and β subunits of 54 and 48 kDa, respectively. In eukaryotic cells, the enzyme is usually composed of a single peptide of 114 kDa. Although NNT catalyzes the interconversion of NADH and NADPH, the forward reaction using the reducing power of NADH to regenerate NADPH would be favored under conditions of oxidative stress(PMID:16497723). It can exist as a homodimer(PMID:21882037).

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:

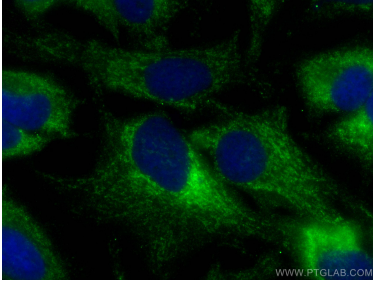
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 NNT antibody (CL488-68194, Clone: 1F5H6) at dilution of 1:100.