

For Research Use Only

NNMT Recombinant antibody

Catalog Number: 84876-5-RR



Basic Information

Catalog Number:

84876-5-RR

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7197

GenBank Accession Number:

BC000234

GeneID (NCBI):

4837

UNIPROT ID:

P40261

Full Name:

nicotinamide N-methyltransferase

Calculated MW:

30 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

242394B7

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, FC (Intra), IP, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : L02 cells, SGC-7901 cells, rat liver tissue

IP : L02 cells,

Background Information

NNMT can catalyze the N-methylation of nicotinamide using the universal methyl donor S-adenosyl-L-methionine to form N1-methylnicotinamide and S-adenosyl-L-homocysteine, a predominant nicotinamide/vitamin B3 clearance pathway (PMID: 21823666; 23455543; 8182091).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

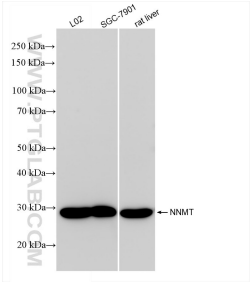
For technical support and original validation data for this product please contact:

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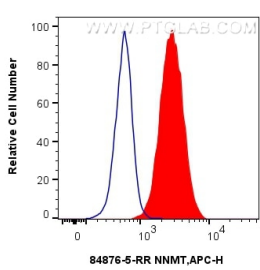
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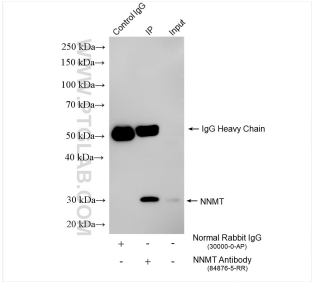
Selected Validation Data



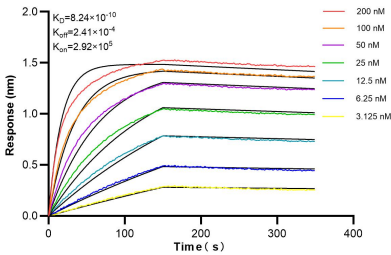
Various lysates were subjected to SDS PAGE followed by western blot with 84876-5-RR (NNMT antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug NNMT Recombinant antibody (84876-5-RR, Clone:242394B7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



IP result of anti-NNMT (IP:84876-5-RR, 4ug; Detection:84876-5-RR 1:1500) with L02 cells lysate 1120 ug.



Biolayer interferometry (BLI) kinetic assays of 84876-5-RR against Human NNMT were performed. The affinity constant is 0.824 nM.