

For Research Use Only

NAPRT1 Monoclonal antibody, PBS Only



Catalog Number: 66159-1-PBS

Featured Product

Basic Information

Catalog Number:

66159-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, IF, IHC, ELISA

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 -80°C.

Storage Buffer:

PBS only

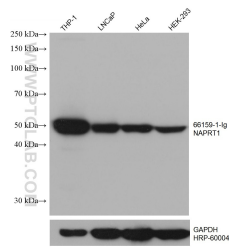
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

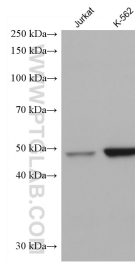
E: proteintech@ptglab.com
W: ptglab.com

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

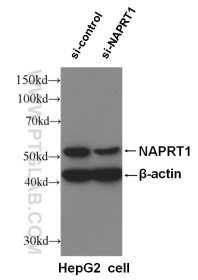
Selected Validation Data



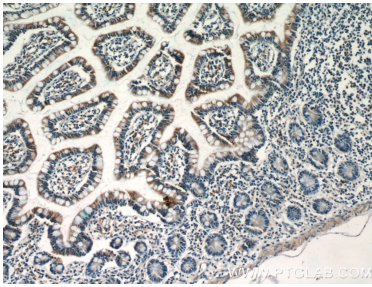
Various lysates were subjected to SDS PAGE followed by western blot with 66159-1-Ig (NAPRT1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 66159-1-PBS in a different storage buffer formulation.



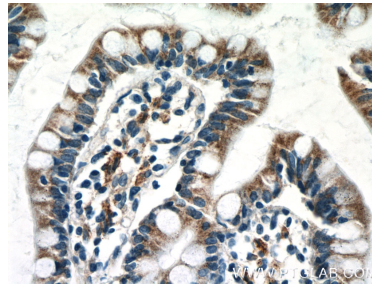
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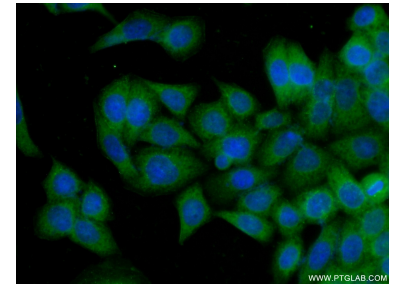
WB result of NAPRT1 antibody (66159-1-Ig, 1:6000) with si-Control and si-NAPRT1 transfected HepG2 cells. This data was developed using the same antibody clone with 66159-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 66159-1-Ig (NAPRT1 Antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 66159-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 66159-1-Ig (NAPRT1 Antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 66159-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 66159-1-Ig(NAPRT1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66159-1-PBS in a different storage buffer formulation.