

For Research Use Only

NAMPT/PBEF Polyclonal antibody

Catalog Number: 11776-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number: 11776-1-AP	GenBank Accession Number: BC020691	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10135	Recommended Dilutions: WB 1:2000-1:10000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: nicotinamide phosphoribosyltransferase	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 52 kDa	
Immunogen Catalog Number: AG2434	Observed MW: 50-55 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat, zebrafish

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: rat liver tissue, mouse skeletal muscle tissue, zebrafish tissue, HL-60 cells, RAW 264.7 cells, Ramos cells, mouse liver tissue, mouse heart tissue

IP: mouse heart tissue,

IHC: human lymphoma tissue,

Background Information

Nicotinamide phosphoribosyltransferase (NAMPT) has two usual synonyms termed Visfatin and PBEF. Its primary role is to catalyze the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, an intermediate in the biosynthesis of NAD, which is the rate limiting component in the mammalian NAD biosynthesis pathway. NAMPT is expressed in large amounts in bone marrow, liver tissue, and muscle tissues. NAMPT inhibits neutrophil apoptosis in experimental inflammation and clinical sepsis. NAMPT levels are altered in plasma of patients with type 2 diabetes mellitus (T2DM), and it is now evidenced that NAMPT may play a role in lipid metabolism.

Notable Publications

Author	Pubmed ID	Journal	Application
Xinhui Liu	34603081	Front Physiol	WB
Anna E Gibson	32908120	Oncogenesis	WB
Ya Li	33053398	Metabolism	IF, WB

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

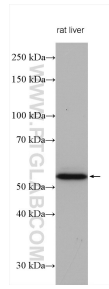
For technical support and original validation data for this product please contact:

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

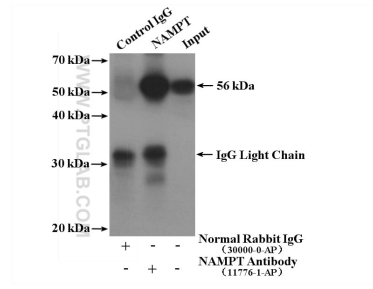
E: proteintech@ptglab.com
W: ptglab.com

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

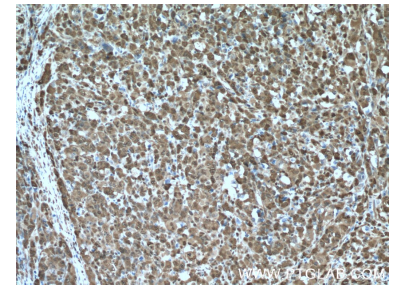
Selected Validation Data



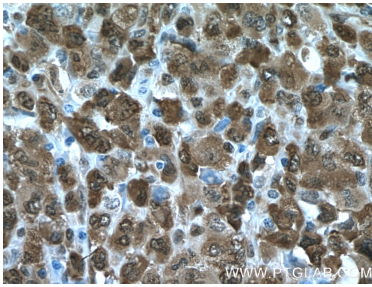
Rat liver lysates were subjected to SDS PAGE followed by western blot with 11776-1-AP (NAMPT/PBEF antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP result of anti-NAMPT/PBEF (IP:11776-1-AP, 4ug; Detection:11776-1-AP 1:1000) with mouse heart tissue lysate 3720 ug.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11776-1-AP (NAMPT/PBEF antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11776-1-AP (NAMPT/PBEF antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).