

Rabbit NAMPT Polyclonal Antibody | anti-NAMPT antibody

NAMPT Antibody

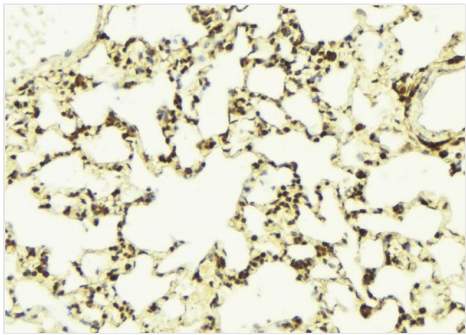
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325859	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

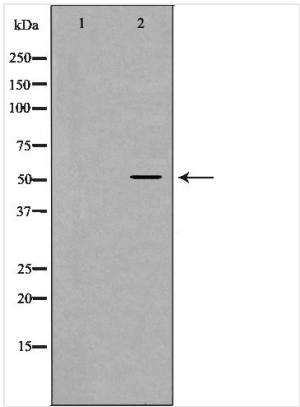
NAMPT; Polyclonal Antibody; NAMPT Antibody; 1110035O14Rik; AI314458; AI480535; DKFZP666B131; EC 2.4.2.12; MGC117256; NAMPTase; Nampt; NAMPT_HUMAN; Nicotinamide phosphoribosyltransferase; PBEF 1; PBEF; PBEF1; Pre B cell colony enhancing factor 1; Pre B cell colony enhancing factor; Pre B cell enhancing factor; Pre-B cell-enhancing factor; Pre-B-cell colony-enhancing factor 1; VF; Visfatin; anti-NAMPT antibody

PRODUCT SPECIFICATIONS

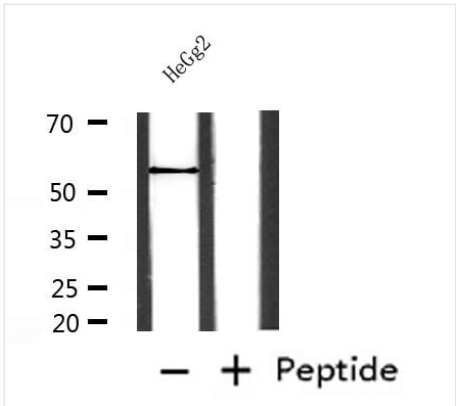
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NAMPT antibody detects endogenous levels of total NAMPT
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	491
Applicable Applications for anti-NAMPT antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NAMPT
Subcellular Location	Cytoplasm.
Tissue Specificity	Expressed in large amounts in bone marrow, liver tissue, and muscle. Also present in heart, placenta, lung, and kidney tissues.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (94%), Bovine (94%), Horse (88%), Sheep (94%), Rabbit (88%), Dog (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA325859 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of HeLa whole cell lysates, using NAMPT Antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from HepG2, using NAMPT Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NAMPT antibody

Description: 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 localized in cytoplasm and 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 plays a role in lipid metabolism.

Function: Catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, an intermediate in the biosynthesis of NAD. It is the rate limiting component in the mammalian NAD biosynthesis pathway. The secreted form behaves both as a cytokine with immunomodulating properties and an adipokine with anti-diabetic properties, it has no enzymatic activity, partly because of lack of activation by ATP, which has a low level in extracellular space and plasma. Plays a role in the modulation of circadian clock function. NAMPT-dependent oscillatory production of NAD regulates oscillation of clock target gene expression by releasing the core clock component: CLOCK-ARNTL/BMAL1 heterodimer from NAD-dependent SIRT1-mediated suppression (By similarity).

Subunit Structure: Homodimer.

Similarity: Belongs to the NAPRTase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031977
NCBI GeneID	10135

NCBI Accession #	NP_005737.1
NCBI GenBank Nucleotide #	NM_005746.2
UniProt Accession #	P43490 ; Q3KQV0 ; Q8WW95 ; A4D0Q9 ; A4D0R0
Molecular Weight	Observed: 52 kDa Predicted: 56 kDa
NCBI Official Full Name	nicotinamide phosphoribosyltransferase
NCBI Official Synonym Full Names	nicotinamide phosphoribosyltransferase
NCBI Official Symbol	NAMPT
NCBI Official Synonym Symbols	VF; PBEF; PBEF1; VISFATIN; 1110035O14Rik
NCBI Protein Information	nicotinamide phosphoribosyltransferase
UniProt Protein Name	Nicotinamide phosphoribosyltransferase
UniProt Gene Name	NAMPT
UniProt Synonym Gene Names	PBEF; PBEF1; NAMPTase; Nampt; Pre-B cell-enhancing factor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nampt-antibody-immunohistochemistry-western-blot-elisa/325859>