

NAMPT / Visfatin Antibody (aa30-80)
Rabbit Polyclonal Antibody
Catalog # ALS14887**Specification**

NAMPT / Visfatin Antibody (aa30-80) - Product Information

Application	IHC, WB
Primary Accession	P43490
Reactivity	Human, Monkey, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56kDa KDa

NAMPT / Visfatin Antibody (aa30-80) - Additional Information**Gene ID** 10135**Other Names**

Nicotinamide phosphoribosyltransferase, NAMPRTase, Nampt, 2.4.2.12, Pre-B-cell colony-enhancing factor 1, Pre-B cell-enhancing factor, Visfatin, NAMPT, PBEF, PBEF1

Target/Specificity

Human NAMPT

Reconstitution & Storage

Store at -20°C.

Precautions

NAMPT / Visfatin Antibody (aa30-80) is for research use only and not for use in diagnostic or therapeutic procedures.

NAMPT / Visfatin Antibody (aa30-80) - Protein Information**Name** NAMPT**Synonyms** PBEF, PBEF1**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-BMAL1 heterodimer from NAD-dependent SIRT1- mediated suppression (By similarity).

Cellular Location

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q99KQ4}. Secreted Note=Under non-inflammatory conditions, visfatin predominantly exhibits a granular pattern within the nucleus. Secreted by endothelial cells upon IL-1beta stimulation. Abundantly secreted in milk, reaching 100- fold higher concentrations compared to maternal serum

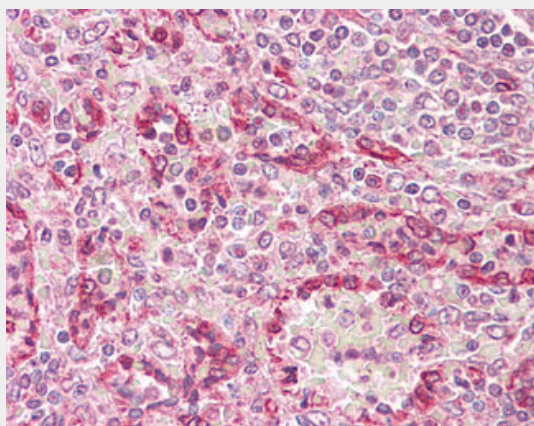
Tissue Location

Expressed in large amounts in bone marrow, liver tissue, and muscle. Also present in heart, placenta, lung, and kidney tissues

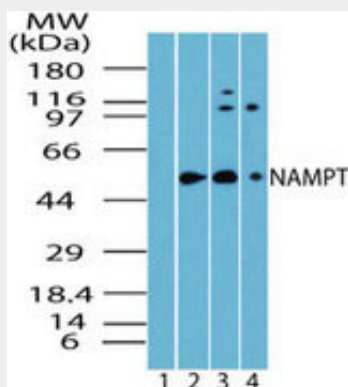
NAMPT / Visfatin Antibody (aa30-80) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NAMPT / Visfatin Antibody (aa30-80) - Images

Anti-NAMPT antibody IHC of human spleen.



Western blot of NAMPT/Visfatin in skeletal muscle lysate.

NAMPT / Visfatin Antibody (aa30-80) - Background

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NAMPT / Visfatin Antibody (aa30-80) - References

Samal B.,et al.Mol. Cell. Biol. 14:1431-1437(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 424:157-164(2003).
Scherer S.W.,et al.Science 300:767-772(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.