

Anti-NAMPT / Visfatin Antibody (clone OMNI379)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS18154**Specification**

Anti-NAMPT / Visfatin Antibody (clone OMNI379) - Product Information

Application	WB, IHC-P, ICC, E, IP, FC
Primary Accession	P43490
Predicted	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Calculated MW	55521

Anti-NAMPT / Visfatin Antibody (clone OMNI379) - Additional Information**Gene ID** 10135

Alias Symbol	NAMPT
Other Names	
NAMPT, PBEF, Pre-B cell-enhancing factor, VISFATIN, VF, NAMPRTase, PBEF1	

Target/Specificity

Recognizes human, mouse and rat Nampt.

Reconstitution & Storage

Protein G purified

Precautions

Anti-NAMPT / Visfatin Antibody (clone OMNI379) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-NAMPT / Visfatin Antibody (clone OMNI379) - 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

Anti-NAMPT / Visfatin Antibody (clone OMNI379) - 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](#)

Anti-NAMPT / Visfatin Antibody (clone OMNI379) - Images