

Anti-NAMPT / Visfatin Antibody (clone OMNI379)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS18154

Product Information

Application	WB, IHC-P, ICC, E, IP, FC
Primary Accession	P43490
Predicted	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Names	OMNI379
Calculated MW	55521
Concentration (mg/ml)	1 mg/ml

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.