

Datasheet for ABIN1169028

anti-NAMPT antibody[Go to Product page](#)

6 Images

7 Publications

Overview

Quantity:	100 µg
Target:	NAMPT
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant human Nampt (visfatin/PBEF).
Clone:	OMNI379
Isotype:	IgG2a
Specificity:	Recognizes human, mouse and rat Nampt.
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Sterility:	0.2 µm filtered

Target Details

Target:	NAMPT
Alternative Name:	Nampt (Visfatin/PBEF) (NAMPT Products)
Background:	Nicotinamide phosphoribosyltransferase (Nampt, pre-B cell colony-enhancing factor, PBEF,

Target Details

Visfatin) is an 52 kDa adipokine secreted by adipose tissue and involved in the biosynthesis of nicotinamide adenine dinucleotide (NAD⁺). Two forms of Nampt exist, an intracellular form (iNampt) and an extracellular form (eNampt). While the function of iNampt as an essential and rate-limiting NAD⁺ biosynthetic enzyme is well established, the physiological role of eNampt is still a matter of debate. Nampt has various functions, including the promotion of vascular smooth muscle cell maturation and inhibition of neutrophil apoptosis. It activates insulin receptor and has insulin-mimetic effects, lowering blood glucose and improving insulin sensitivity. The protein is highly expressed in visceral fat and serum levels of the protein correlate with obesity.

UniProt: [P43490](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

Storage: 4 °C, -20 °C

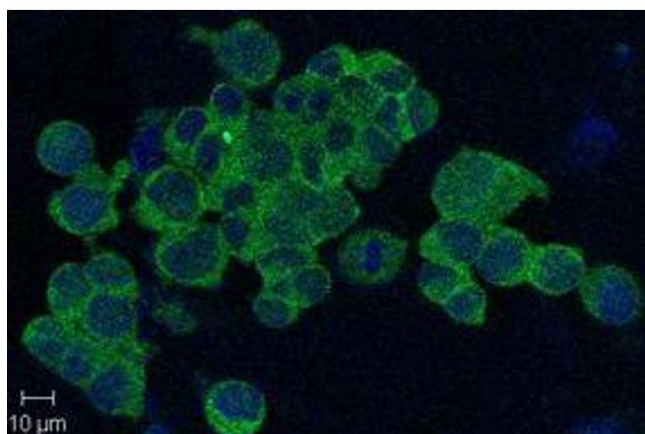
Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months

Publications

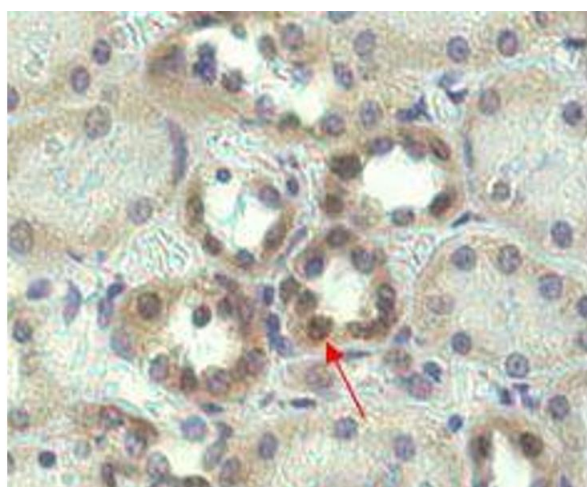
Product cited in: Prowse, Vanderveer, Milling, Pan, Dunbrack, Xu, Godwin: "OVCA2 is downregulated and degraded during retinoid-induced apoptosis." in: **International journal of cancer. Journal international du cancer**, Vol. 99, Issue 2, pp. 185-92, (2002) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



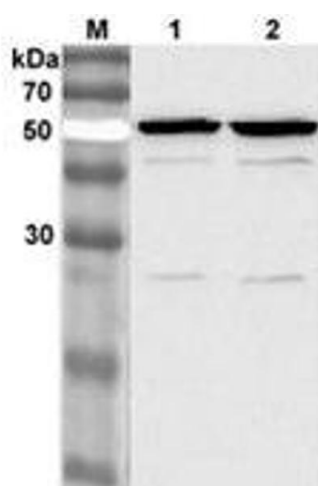
Immunofluorescence

Image 1. Immunofluorescent confocal imaging of HEK293 cells using anti-Nampt (Visfatin-PBEF), mAb (OMNI379). Nampt (Visfatin/PBEF) (green staining) is localized in the cytoplasm and nucleus (400x magnification). Nuclei are stained with Hoechst (blue staining).



Immunohistochemistry

Image 2. Immunohistochemical staining of Nampt using anti-Nampt (OMNI379) in human kidney tissue (1:500 dilution). Immunoperoxidase staining of formalin-fixed and paraffin-embedded (FFPE) human kidney showing cytoplasmic staining (200x, brown color).



Western Blotting

Image 3. Western blot analysis of 3T3-L1 cell lysate using anti-Nampt (Visfatin/PBEF) mAb (OMNI379) at 1:2000 dilution. 1. IBMX. + DEX. - treated 3T3-L1 cell lysate. 2. IBMX. + DEX. + Insulin - treated 3T3-L1 cell lysate.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN1169028.