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Datasheet for ABIN1169029
anti-NAMPT antibody (Biotin)

6 Images

Overview

Quantity:	50 µg
Target:	NAMPT
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NAMPT antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

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

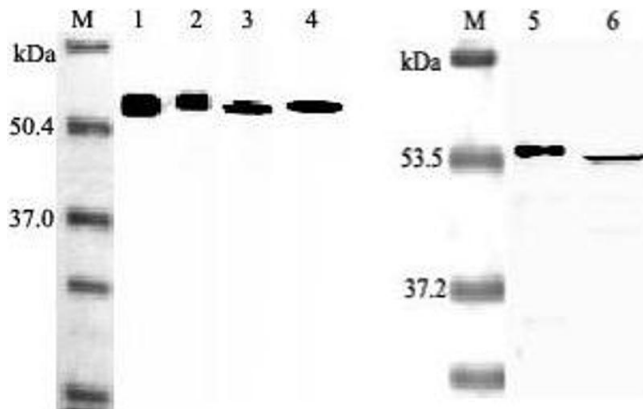
Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

Storage: 4 °C, -20 °C

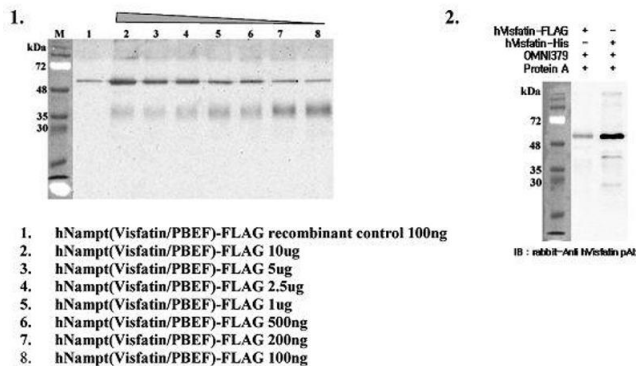
Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months



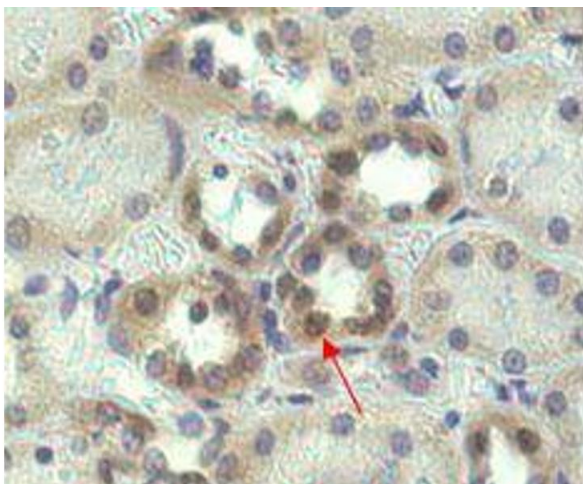
Western Blotting

Image 1. Western blot analysis using anti-Nampt (Visfatin-PBEF), mAb (OMNI379) at 1:2000 dilution. 1. Human Nampt (Visfatin/PBEF) (His-tagged). 2. Human Nampt (Visfatin/PBEF) (FLAG[®]-tagged). 3. Mouse Nampt (Visfatin/PBEF) (His-tagged). 4. Rat Nampt (Visfatin/PBEF) (His-tagged). 5. Human Nampt (Visfatin/PBEF) (His-tagged). 6. LPS-treated human peripheral blood leukocyte lysate.



Western Blotting

Image 2. Immunoprecipitation of recombinant human Nampt (Visfatin/PBEF) proteins using anti-Nampt (Visfatin-PBEF), mAb (OMNI379). Recombinant human Nampt (Visfatin/PBEF) proteins at different concentrations were precipitated. The precipitated proteins were separated by SDS-PAGE, electroblotted and visualized by western blot with anti-human Nampt(Visfatin/PBEF) pAb.



Immunohistochemistry

Image 3. 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).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN1169029.