

Datasheet for ABIN969344
anti-NAMPT antibody (AA 338-479)



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1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	NAMPT
Binding Specificity:	AA 338-479
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NAMPT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of PBEF1 (aa338-479) expressed in E. coli.
Clone:	1D3A12
Isotype:	IgG1
Purification:	purified

Target Details

Target:	NAMPT
Alternative Name:	PBEF1 (NAMPT Products)
Background:	Description: PBEF1: nicotinamide phosphoribosyltransferase. This gene encodes a protein that catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield

Target Details

nicotinamide mononucleotide, one step in the biosynthesis of nicotinamide adenine dinucleotide. The protein is an adipokine that is localized to the bloodstream and has various functions, including the promotion of vascular smooth muscle cell maturation and inhibition of neutrophil apoptosis. It also 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.

Aliases: VF, PBEF, PBEF1, VISFATIN, NAMPT

Gene ID: 10135

HGNC: 10135

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

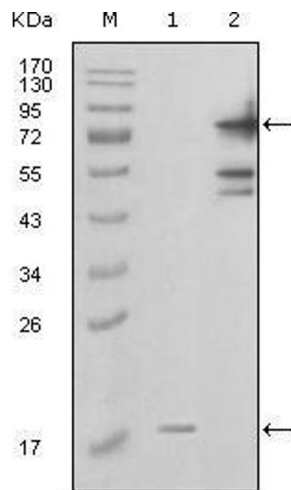
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Rongvaux, Shea, Mulks, Gigot, Urbain, Leo, Andris: "Pre-B-cell colony-enhancing factor, whose expression is up-regulated in activated lymphocytes, is a nicotinamide phosphoribosyltransferase, a cytosolic enzyme involved in NAD biosynthesis." in: **European journal of immunology**, Vol. 32, Issue 11, pp. 3225-34, (2003) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using PBEF1 mouse mAb against truncated PBEF1-His recombinant protein (1) and full-length GFP-PBEF1(aa1-491) transfected COS7 cell lysate (2).