

NAMPT monoclonal antibody, clone 4E11C9

Catalog # MAB5553

Size 100 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis using NAMPT monoclonal antibody, clone 4E11C9 (Cat # MAB5553) against truncated NAMPT recombinant protein.

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant NAMPT.

Immunogen Recombinant protein corresponding to human NAMPT.

Host Mouse

Reactivity Human

Form Liquid

Isotype IgG1

Recommend Usage Western Blot (1:200-1:1000)
ELISA (1:10000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Recombinant protein)

Western blot analysis using NAMPT monoclonal antibody, clone 4E11C9 (Cat # MAB5553) against truncated NAMPT recombinant protein.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NAMPT

Entrez GeneID [10135](#)

Gene Name NAMPT

Gene Alias 1110035O14Rik, DKFZp666B131, MGC117256, PBEF, PBEF1, VF, VISFATIN

Gene Description nicotinamide phosphoribosyltransferase

Omim ID [608764](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein that catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield 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. This gene has a pseudogene on chromosome 10. [provided by RefSeq]

Other Designations NAMPTase|pre-B cell-enhancing factor|pre-B-cell colony enhancing factor 1

Publication Reference

- [p21-activated Kinase 1 \(Pak1\)-dependent phosphorylation of Raf-1 regulates its mitochondrial localization, phosphorylation of BAD, and Bcl-2 association.](#)

Jin S, Zhuo Y, Guo W, Field J.

The Journal of Biological Chemistry 2005 Jul; 280(26):24698.

- [A chimeric protein induces tumor cell apoptosis by delivering the human Bcl-2 family BH3-only protein Bad.](#)

Antignani A, Youle RJ.

Biochemistry 2005 Mar; 44(10):4074.

Pathway

- [Nicotinate and nicotinamide metabolism](#)

Disease

- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Obesity](#)