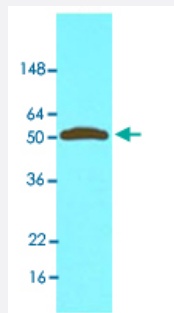


# NAMPT monoclonal antibody, clone 4D5

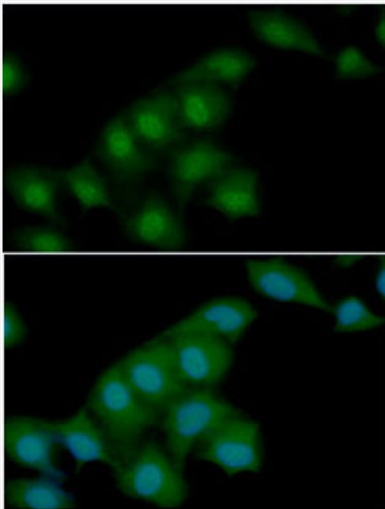
Catalog # MAB1122      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of 293T cell lysates.



### Immunofluorescence

Immunofluorescence analysis of HeLa cells. The cell was stained with NAMPT monoclonal antibody, clone 4D5 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against full length recombinant NAMPT.
<b>Immunogen</b>	Recombinant protein corresponding to full length human NAMPT.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human

Form	Liquid
Purification	Protein G purification
Isotype	IgG1, kappa
Recommend Usage	ELISA Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°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 (Cell lysate)

Western blot analysis of 293T cell lysates.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of HeLa cells. The cell was stained with NAMPT monoclonal antibody, clone 4D5 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — NAMPT

Entrez GeneID	<a href="#">10135</a>
GeneBank Accession#	<a href="#">NM_005746</a>
Protein Accession#	<a href="#">NP_005737</a>
Gene Name	NAMPT
Gene Alias	1110035O14Rik, DKFZp666B131, MGC117256, PBEF, PBEF1, VF, VISFATIN

Gene Description	nicotinamide phosphoribosyltransferase
Omim ID	<a href="#">608764</a>
Gene Ontology	<a href="#">Hyperlink</a>
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	NAmPRTase pre-B cell-enhancing factor pre-B-cell colony enhancing factor 1

## Publication Reference

- [An update on visfatin/pre-B cell colony-enhancing factor, an ubiquitously expressed, illusive cytokine that is regulated in obesity.](#)

Stephens JM, Vidal-Puig AJ.

Current Opinion in Lipidology 2006 Apr; 17(2):128.

- [Medicine. Visfatin: a new adipokine.](#)

Hug C, Lodish HF.

Science 2005 Jan; 307(5708):366.

Application: ELISA, Human, Mouse, Adipose tissues

## 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](#)