

# Anti-NAMPT Reference Antibody (Alt-100)

Recombinant Antibody Catalog # APR10580

## Specification

## Anti-NAMPT Reference Antibody (Alt-100) - Product Information

Application Primary Accession Reactivity Clonality Isotype Calculated MW FC, E, FTA P43490 Human, Mouse Monoclonal IgG1 150 KDa

### Anti-NAMPT Reference Antibody (Alt-100) - Additional Information

Target/Specificity NAMPT

**Endotoxin** < 0.001EU/ μg,determined by LAL method.

Conjugation Unconjugated

Expression system CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

### Anti-NAMPT Reference Antibody (Alt-100) - Protein Information

Name NAMPT

Synonyms PBEF, PBEF1

Function

Catalyzes the condensation of nicotinamide with 5- phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, an intermediate in the biosynthesis of NAD. It is the rate limiting component in the mammalian NAD biosynthesis pathway. The secreted form behaves both as a cytokine with immunomodulating properties and an adipokine with anti-diabetic properties, it has no enzymatic activity, partly because of lack of activation by ATP, which has a low level in extracellular space and plasma. Plays a role in the modulation of circadian clock function. NAMPT-dependent oscillatory production of NAD regulates oscillation of clock target gene expression by releasing the core clock component: CLOCK-BMAL1 heterodimer from NAD-dependent SIRT1- mediated suppression (By similarity).



#### **Cellular Location**

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q99KQ4}. Secreted Note=Under non-inflammatory conditions, visfatin predominantly exhibits a granular pattern within the nucleus. Secreted by endothelial cells upon IL-1beta stimulation. Abundantly secreted in milk, reaching 100- fold higher concentrations compared to maternal serum

**Tissue Location** 

Expressed in large amounts in bone marrow, liver tissue, and muscle. Also present in heart, placenta, lung, and kidney tissues

#### Anti-NAMPT Reference Antibody (Alt-100) - Protocols

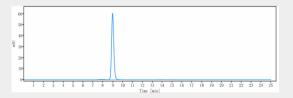
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

#### Anti-NAMPT Reference Antibody (Alt-100) - Images

| <u>kDa</u> | NR | М | R |  |
|------------|----|---|---|--|
| 185        | _  | - |   |  |
| 115        | -  | - |   |  |
| 80         |    | - |   |  |
| 65         |    | - |   |  |
| 50         |    | - | - |  |
| 30         |    | _ |   |  |
| 25         |    |   | - |  |
|            |    |   |   |  |
| 15         |    |   |   |  |
| 10         |    |   |   |  |
|            |    |   |   |  |

Anti-NAMPT Reference Antibody (Alt-100) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-NAMPT Reference Antibody (Alt-100)is more than 95% ,determined by SEC-HPLC.