

**Visfatin Antibody**  
**Purified Rabbit Polyclonal Antibody**  
**Catalog # ABV11615****Specification**

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**Visfatin Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P43490</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>55521</b>

**Visfatin Antibody - Additional Information****Gene ID** 10135**Other Names**

Nampt, Nicotinamide phosphoribosyltransferase, Pre-B-cell colony-enhancing factor 1 homolog, PBEF, visceral fat-derived hormone

**Target/Specificity**

Visfatin

**Formulation**

100 µg (0.5 mg/ml) affinity purified rabbit anti-Visfatin polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Background Descriptions****Precautions**

Visfatin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Visfatin Antibody - 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-1 $\beta$  stimulation. Abundantly secreted in milk, reaching 100-fold higher concentrations compared to maternal serum

#### **Tissue Location**

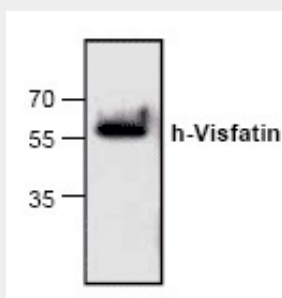
Expressed in large amounts in bone marrow, liver tissue, and muscle. Also present in heart, placenta, lung, and kidney tissues

### **Visfatin Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Visfatin Antibody - Images**



Western blot analysis using recombinant human Visfatin.

### **Visfatin Antibody - Background**

Visfatin is a cytokine highly expressed in visceral fat and blood. This protein has also been reported to be a cytokine (PBEF) that promotes B cell maturation and inhibits neutrophil apoptosis. Visfatin is thought to have insulin-like activities and is able to bind insulin receptor and thus, may lead to lowering blood glucose levels.