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Visfatin Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11616

Specification

Visfatin Antibody - Product Information

Application	**WB**
Primary Accession	Q99KQ4
Other Accession	EDL36889
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**55447**

Visfatin Antibody - Additional Information

Gene ID 59027

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-mouse Visfatin polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA and 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 Pbef1

Function
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 (By similarity). 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. 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.

Cellular Location
Nucleus {ECO:0000250|UniProtKB:P43490}. Cytoplasm. Secreted {ECO:0000250|UniProtKB:P43490} 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 {ECO:0000250|UniProtKB:P43490}

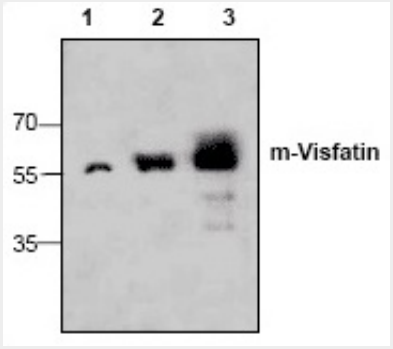
Tissue Location
Ubiquitously expressed in lymphoid and non-lymphoid tissues.

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 Cytomety
- Cell Culture

Visfatin Antibody - Images



Western blot analysis with recombinant mouse Visfatin. Lane1: 10ng; Lane2: 50ng; Lane3: 250ng.

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 tho µght to have insulin-like activities and is able to bind insulin receptor and thus, may lead to lowering blood glucose levels.