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## **Human visfatin/NAMPT antibody**

Catalog Number: AVI0816

## **PRODUCT INFORMATION**

### Catalog number

AVI0816

#### Clone No.

4D5

## **Product type**

Monoclonal Antibody

#### UnitProt No.

P43490

#### **NCBI Accession No.**

NP 005737

#### **Alternative Names**

Nicotinamide phosphoribosyltransferase, NAmPRTase, Nampt, Pre-B-cell colony-enhancing factor 1, Pre-B cell-enhancing factor, PBEF, PBEF1

## **PRODUCT SPECIFICATION**

#### **Antibody Host**

Mouse

#### **Reacts With**

Human

#### **Concentration**

1mg/ml (determined by BCA assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

## **Immunogen**

Recombinant human Visfatin (1-491aa) purified from E. coli

## Isotype

IgG1 kappa

#### **Purification Note**

By protein-G affinity chromatography

## **Application**

ELISA, WB, ICC/IF

#### Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



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### **Storage**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **Description**

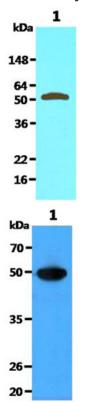
Visfatin is pre-B cell colony-enhancing factor 1 (PBEF), which is predominantly secreted from visceral adipose tissue both in humans and mice. This protein has also been reported to be a cytokine (PBEF) that promotes B cell maturation and inhibits neutrophil apoptosis, or a visceral-fat derived hormone that acts by binding and activating the insulin receptor.

#### **General References**

Stephens JM, et al., (2006) Curr Opin Lipidol. 17:128-3. Hug C, et al., (2005) Science. 307:366-367.

## **DATA**

### Western blot analysis (WB)



The cell lysate (30ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Visfatin (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: 293T cell lysate

The cell lysate (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Visfatin (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: SW480 cell lysate

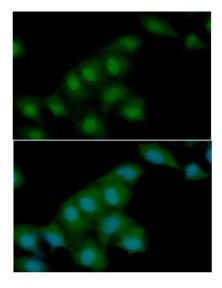
Immunocytochemistry/Immunofluorescence (ICC/IF)



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ICC/IF analysis of Visfatin in HeLa cells. The cell was stained with AVI0816 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

