

Visfatin Rabbit monoclonal antibody

Catalog: MB66464

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Nicotinamide phosphoribosyltransferase (NAMPT; also known as Pre-B cell-enhancing factor PBEF) catalyzes the synthesis of nicotinamide mononucleotide (NMN) from nicotinamide and 5-phosphoribosylpyrophosphate (PRPP), the rate-limiting step in the NAD biosynthesis pathway starting from nicotinamide. NAD biosynthesis mediated by NAMPT plays a critical role in glucose-stimulated insulin secretion in pancreatic beta cells. Both NAMPT inhibitors and activators have been sought for clinical applications. NAMPT has intra- and extracellular forms (iNAMPT and eNAMPT), and deacetylation of iNAMPT by SIRT1 promotes eNAMPT secretion through a nonclassical secretory pathway. eNAMPT, independent of its enzymatic activity, can induce epithelial-to-mesenchymal transition in mammary epithelial cells and promote monocyte differentiation into a tumor-supporting M2 macrophage.

Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

Molecular Weight:

~ 55 kDa

Swiss-Prot:

P43490

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/100), IF/ICC (1/50 - 1/100), IP (1/10 - 1/50)

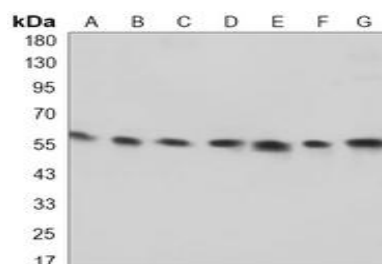
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

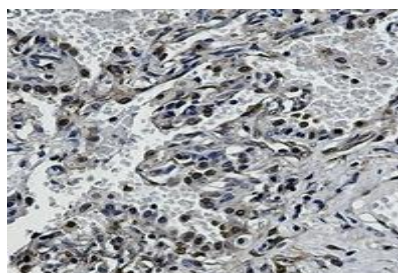
Specificity:

Recognizes endogenous levels of Visfatin protein.

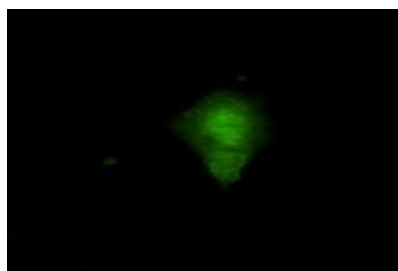
DATA:



Western blot analysis of Visfatin expression in NIH3T3 (A), Raw264.7 (B), Hela (C), A549 (D), HL60 (E), U2OS (F), C6 (G) whole cell lysates.



Immunohistochemical analysis of Visfatin staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.101). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Visfatin staining in U87MG cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3%

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PRODUCT DATA SHEET

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BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Note:

For research use only, not for use in diagnostic procedure.

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