ARG56949
anti-Visfatin antibody [4D5]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [4D5] recognizes Visfatin
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	4D5
Isotype	IgG1, kappa
Target Name	Visfatin
Species	Human
Immunogen	Recombinant fragment around aa. 1-491 of Human Visfatin.
Conjugation	Un-conjugated
Alternate Names	Visfatin; VF; Pre-B-cell colony-enhancing factor 1; PBEF1; NAmPRTase; Nampt; EC 2.4.2.12; VISFATIN; Nicotinamide phosphoribosyltransferase; 1110035O14Rik; PBEF; Pre-B cell-enhancing factor

Application Instructions

Application table

Application	Dilution
ICC/IF	Assay-dependent
WB	1:1000 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

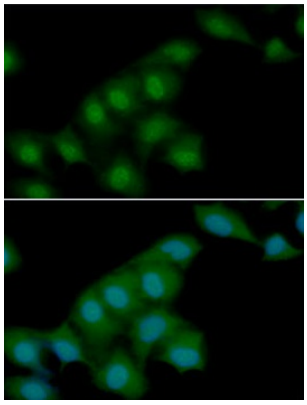
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 10135 Human Swiss-port # P43490 Human
Gene Symbol	NAMPT
Gene Full Name	nicotinamide phosphoribosyltransferase
Background	This gene encodes a protein that catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, one step in the biosynthesis of nicotinamide adenine dinucleotide. The protein belongs to the nicotinic acid phosphoribosyltransferase (NAPRTase) family and is thought to be involved in many important biological processes, including metabolism, stress response and aging. This gene has a pseudogene on chromosome 10. [provided by RefSeq, Feb 2011]
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-ARNTL/BMAL1 heterodimer from NAD-dependent SIRT1-mediated suppression (By similarity). [UniProt]
Calculated Mw	56 kDa

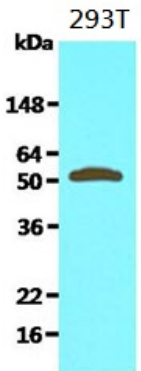
Images



ARG56949 anti-Visfatin antibody [4D5] ICC/IF image

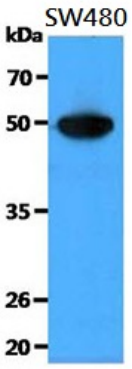
Immunoflorescense: HeLa cell line stained with ARG56949 anti-Visfatin antibody [4D5] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG56949 anti-Visfatin antibody [4D5] WB image

Western blot: 30 ug of 293T cell lysate stained with ARG56949 anti-Visfatin antibody [4D5] at 1:1000.



ARG56949 anti-Visfatin antibody [4D5] WB image

Western blot: 40 µg of SW480 cell lysate stained with ARG56949 anti-Visfatin antibody [4D5] at 1:1000.