abcam

Product datasheet

Anti-Visfatin antibody ab24149

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Overview

Product name	Anti-Visfatin antibody
Description	Rabbit polyclonal to Visfatin
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF, WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Pig
Immunogen	Synthetic peptide: SFDEIRKNAQ LNIELEAAHH , corresponding to C terminal amino acids 472-491 of Human PBEF. Run BLAST with Run BLAST with
Positive control	WB: U-87 MG, PC3, A431, HCT 116, Jurkat, Human adipose tissue ICC: U-87 MG
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituents: PBS, 0.1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab24149 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 µg/ml.
WB		1/500. Detects a band of approximately 52 kDa.

Target

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.

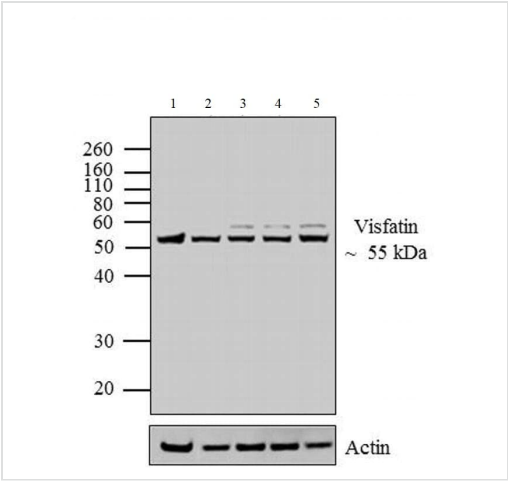
Tissue specificity Expressed in large amounts in bone marrow, liver tissue, and muscle. Also present in heart, placenta, lung, and kidney tissues.

Pathway Cofactor biosynthesis; NAD(+) biosynthesis; nicotinamide D-ribonucleotide from 5-phospho-alpha-D-ribose 1-diphosphate and nicotinamide: step 1/1.

Sequence similarities Belongs to the NAPRTase family.

Cellular localization Cytoplasm.

Images



Western blot - Anti-Visfatin antibody (ab24149)

All lanes : Anti-Visfatin antibody (ab24149) at 1/250 dilution

Lane 1 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) whole cell lysate with skimmed milk
Lane 2 : PC3 (Human prostate adenocarcinoma cell line) whole cell lysate with skimmed milk
Lane 3 : A431 (Human epidermoid carcinoma cell line) whole cell lysate with skimmed milk
Lane 4 : HCT 116 (Human colorectal carcinoma cell line) whole cell lysate with skimmed milk
Lane 5 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate with skimmed milk

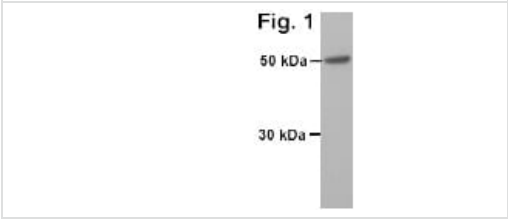
Lysates/proteins at 20 µg per lane.

Blocking peptides at 5 % per lane.

Secondary
All lanes : Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate at 1/2500 dilution

Additional bands at: ~55 kDa. We are unsure as to the identity of these extra bands.

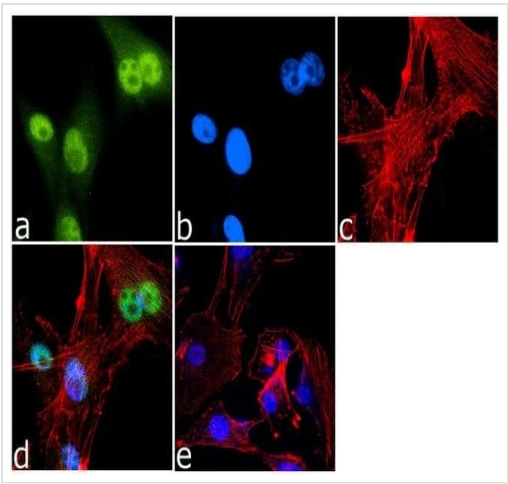
Detection: chemiluminescence



Western blot - Anti-Visfatin antibody (ab24149)

Anti-Visfatin antibody (ab24149) + Human adipose tissue lysate

Observed band size: 52 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Visfatin antibody (ab24149)

Immunofluorescent analysis of 70% confluent log phase U87MG cells, 4% paraformaldehyde fixed and permeabilized with 0.1% Triton™ X-100, and blocked with 5% BSA for 1 hour at room temperature. ab24149 labeling Vistafin with 1 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate at 1/2000 dilution for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI. F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin. Panel d is a merged image showing nuclear localization. Panel e is a no primary antibody control. The images were captured at 60X magnification.

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