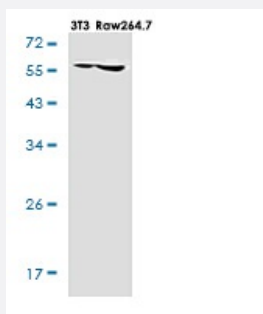


RecomAb™

NAMPT recombinant monoclonal antibody, clone R05-4C4

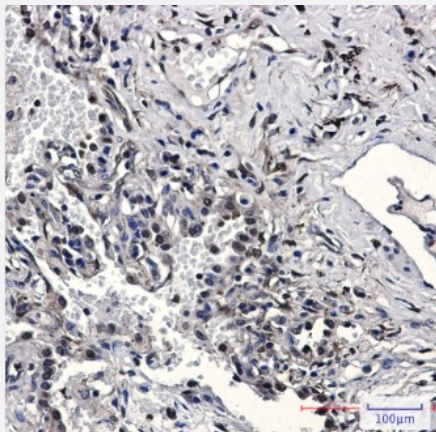
Catalog # RAB01241 Size 100 uL

Applications



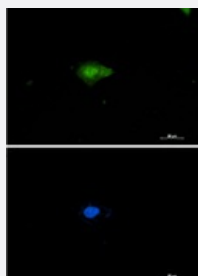
Western Blot

Western blot analysis of Visfatin in 3T3, Raw264.7 lysates using Visfatin antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung cancer with NAMPT recombinant monoclonal antibody, clone R05-4C4 (Cat # RAB01241).



Immunocytochemistry

Western blot analysis of Visfatin in 3T3, Raw264.7 lysates using Visfatin antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human NAMPT.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human Visfatin.
Theoretical MW (kDa)	Calculated MW: 56 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Frozen sections) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Immunocytochemistry Immunofluorescence Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Visfatin in 3T3, Raw264.7 lysates using Visfatin antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung cancer with NAMPT recombinant monoclonal antibody, clone R05-4C4 (Cat # RAB01241).

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

Western blot analysis of Visfatin in 3T3, Raw264.7 lysates using Visfatin antibody.

- Immunofluorescence

- Immunoprecipitation

Gene Info — NAMPT

Entrez GeneID [10135](#)

Protein Accession# [P43490](#)

Gene Name NAMPT

Gene Alias 1110035O14Rik, DKFZp666B131, MGC117256, PBEF, PBEF1, VF, VISFATIN

Gene Description nicotinamide phosphoribosyltransferase

Omim ID [608764](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 is an adipokine that is localized to the bloodstream and has various functions, including the promotion of vascular smooth muscle cell maturation and inhibition of neutrophil apoptosis. It also activates insulin receptor and has insulin-mimetic effects, lowering blood glucose and improving insulin sensitivity. The protein is highly expressed in visceral fat and serum levels of the protein correlate with obesity. This gene has a pseudogene on chromosome 10. [provided by RefSeq]

Other Designations NAMPTase|pre-B cell-enhancing factor|pre-B-cell colony enhancing factor 1

Pathway

- [Nicotinate and nicotinamide metabolism](#)

Disease

- [Birth Weight](#)

- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Obesity](#)