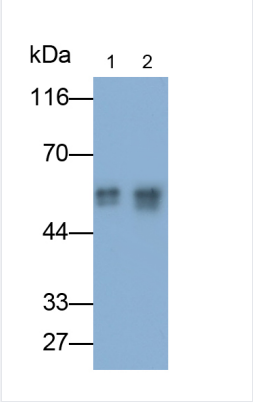
Visfatin (VF) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Visfatin (VF), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Visfatin (VF)
Product Gene Name	anti-VF antibody
Product Synonym Names	Visfatin; Polyclonal Antibody to Visfatin (VF); Nampt; NAmPRTase; PBEF; PBEF1; Pre-B-Cell Colony Enhancing Factor; Nicotinamide Phosphoribosyltransferase
Immunogen Sequence	Met1~His49 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	0.32mg/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against VF. It has been selected for its ability to recognize VF in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: VF (MBS2169447) Immunogen: VF (MBS2097625)
Matching Pairs	Unconjugated Antibody: VF (MBS2169447) APC-CY7 Conjugated Antibody: VF (MBS2163388)
Matching Pairs	Unconjugated Antibody: VF (MBS2169447) PE Conjugated Antibody: VF (MBS2164255)
Matching Pairs	Unconjugated Antibody: VF (MBS2169447) APC Conjugated Antibody: VF (MBS2165121)
Matching Pairs	Unconjugated Antibody: VF (MBS2169447) Cy3 Conjugated Antibody: VF (MBS2165987)
Matching Pairs	Unconjugated Antibody: VF (MBS2169447) Biotin Conjugated Antibody: VF (MBS2166853)
Matching Pairs	Unconjugated Antibody: VF (MBS2169447) HRP Conjugated Antibody: VF (MBS2167718)
Matching Pairs	Unconjugated Antibody: VF (MBS2169447) FITC Conjugated Antibody: VF (MBS2168584)
Molecular Weight	55,447 Da
3D Structure	ModBase 3D Structure for Q99KQ4

Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	Recombinant Visfatin (VF)
Conjugation	Unconjugated
Research Area	Metabolic pathway, Cardiovascular biology, Hepatology
Product Categories/Family for anti-VF antibody	Polyclonal Antibodies (Primary Abs)
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-VF antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-VF antibody	WB: 0.01-2ug/mL IHC: 5-20ug/mL ICC: 5-20ug/mL
Related Product Information for anti-VF antibody	MBS2169447 is an antibody targeting VF. Also known as Polyclonal Antibody to Visfatin (VF). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-VF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-VF antibody
Western Blot; Samples: Lane1: Mouse Heart lysate; Lane2: Mouse Liver lysate;Primary Ab: 0.1ug/ml Rabbit Anti-Mouse VF AntibodySecond Ab: 0.2ug/ml HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody #MBS2086047

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VF. It may not necessarily be applicable to this product.

NCBI GI #	257153454
NCBI GeneID	59027
NCBI Accession #	NP_067499.2
UniProt Primary Accession #	Q99KQ4
UniProt Secondary Accession #	Q8C3B5; Q9JKM0
UniProt Related Accession #	Q99KQ4
GenBank Nucleotide #	NM_021524.2
NCBI Official Full Name	nicotinamide phosphoribosyltransferase
NCBI Official Synonym Full Names	nicotinamide phosphoribosyltransferase

NCBI Official Symbol	Nampt
NCBI Official Synonym Symbols	Pbef; Pbef1; AI314458; AI480535; Visfatin; NAmPRTase; 1110035O14Rik
UniProt Protein Name	Nicotinamide phosphoribosyltransferase
UniProt Synonym Protein Names	Pre-B-cell colony-enhancing factor 1 homolog; PBEF; Visfatin
UniProt Gene Name	Nampt
UniProt Synonym Gene Names	Pbef1; NAmPRTase; Nampt; PBEF
UniProt Entry Name	NAMPT_MOUSE
NCBI Protein Information	nicotinamide phosphoribosyltransferase; pre-B-cell colony-enhancing factor 1 homolog
UniProt Comments for VF	PBEF: an ubiquitous protein originally described as a cytokine which acts on early B-lineage precursor cells. Other reports indicate that PBEF is not a cytokine-like secreted protein but an intracellular protein associated with the cell cycle. Contains a catalytically active nicotinate phosphoribosyltransferase domain, an enzyme involved in nicotinamide adenine dinucleotide (NAD) biosynthesis. Protein type: Cofactor and Vitamin Metabolism - nicotinate and nicotinamide; Cell cycle regulation; Cytokine; Transferase; EC 2.4.2.12 Cellular Component: extracellular space; cytoplasm; extracellular region; nucleus Molecular Function: transferase activity; transferase activity, transferring glycosyl groups; protein homodimerization activity; cytokine activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity; drug binding; nicotinamide phosphoribosyltransferase activity Biological Process: NAD biosynthetic process; positive regulation of smooth muscle cell proliferation; rhythmic process; pyridine nucleotide biosynthetic process; positive regulation of transcription from RNA polymerase II promoter; circadian regulation of gene expression; positive regulation of nitric-oxide synthase biosynthetic process
Research Articles on VF	**1.** NAMPT is a key novel ARDS therapeutic target and candidate gene with genetic/epigenetic transcriptional regulation in response to excessive mechanical stress.
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