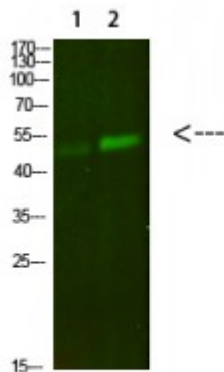


Anti-PBEF antibody



Description	Rabbit polyclonal to PBEF.
Model	STJ99328
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human PBEF.
Immunogen Region	411-460aa
Gene ID	10135
Gene Symbol	NAMPT
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	PBEF Polyclonal Antibody detects endogenous levels of PBEF.
Tissue Specificity	Expressed in large amounts in bone marrow, liver tissue, and muscle. Also present in heart, placenta, lung, and kidney tissues.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Nicotinamide phosphoribosyltransferase NAMPRTase Nampt Pre-B-cell colony-enhancing factor 1 Pre-B cell-enhancing factor Visfatin
Molecular Weight	54kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:30092OMIM:608764
Alternative Names	Nicotinamide phosphoribosyltransferase NAmPRTase Nampt Pre-B-cell colony-enhancing factor 1 Pre-B cell-enhancing factor Visfatin
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 .
Cellular Localization	Nucleus Cytoplasm Secreted. Under non-inflammatory conditions, visfatin predominantly exhibits a granular pattern within the nucleus. Secreted by endothelial cells upon IL-1beta stimulation. Abundantly secreted in milk, reaching 100-fold higher concentrations compared to maternal serum.