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PBEF1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11992

Product Information

Application	WB
Primary Accession	P43490
Other Accession	NM_005746, NP_005737
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55521

Additional Information

Gene ID	10135
Alias Symbol	1110035O14Rik, DKFZP666B131, MGC117256, NAMPT, PBEF, VF, PBEF1, VISFATIN
Other Names	Nicotinamide phosphoribosyltransferase, NAmPRTase, Nampt, 2.4.2.12, Pre-B-cell colony-enhancing factor 1, Pre-B cell-enhancing factor, Visfatin, NAMPT, PBEF, PBEF1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-PBEF1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PBEF1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

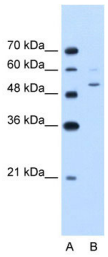
Name	NAMPT
Synonyms	PBEF, PBEF1
Function	Catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, an intermediate in the biosynthesis of NAD. It is the rate limiting component in the mammalian NAD biosynthesis pathway. The secreted form behaves 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-BMAL1 heterodimer from NAD-dependent SIRT1- mediated suppression (By similarity).
Cellular Location	Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q99KQ4}. Secreted Note=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
Tissue Location	Expressed in large amounts in bone marrow, liver tissue, and muscle. Also present in heart, placenta, lung, and kidney tissues

References

Chen,M.P., (2006) J. Clin. Endocrinol. Metab. 91 (1), 295-299 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-PBEF1 Antibody Titration: 2.5µg/ml
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.