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PBEF1 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI11992

Specification

PBEF1 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	P43490
Other Accession	NM_005746, NP_005737
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Pig, Chicken**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**54kDa KDa**

PBEF1 antibody - C-terminal region - 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.

PBEF1 antibody - C-terminal region - 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

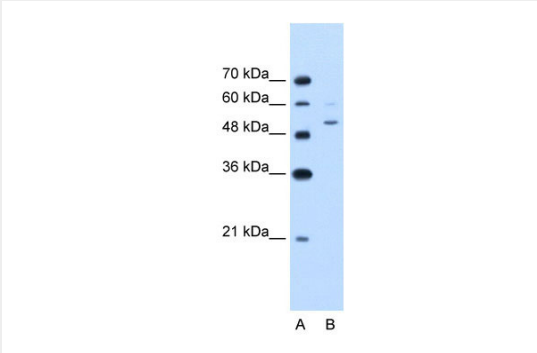
Tissue Location
Expressed in large amounts in bone marrow, liver tissue, and muscle. Also present in heart, placenta, lung, and kidney tissues

PBEF1 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PBEF1 antibody - C-terminal region - Images



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

PBEF1 antibody - C-terminal region - 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.