SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-Visfatin/FITC Conjugated antibody

Catalog Number: SL0272R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Visfatin/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human PBEF
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	Flow-Cyt=1ug/Test IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Rat(predicted:Mouse,Chicken,Pig,Cow,Horse,Monkey)
Background:	background: 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 belongs to the nicotinic acid phosphoribosyltransferase (NAPRTase) family and is thought to be involved in many important biological processes, including metabolism, stress response and aging. This gene has a pseudogene on chromosome 10. [provided by RefSeq, Feb 2011]. **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. **Subunit:** Homodimer. **Subcellular Location:** Cytoplasm.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Tissue Specificity: Expressed in large amounts in bone marrow, liver tissue, and muscle. Also present in heart, placenta, lung, and kidney tissues. **Similarity:** Belongs to the NAPRTase family. **Database links:** **Entrez Gene:** 10135 Human **Entrez Gene:** 59027 Mouse **Entrez Gene:** 297508 Rat Omim: 608764 Human **SwissProt:** P43490 Human **SwissProt:** Q99KQ4 Mouse **SwissProt:** Q80Z29 Rat **Unigene:** 489615 Human **Unigene:** 202727 Mouse **Unigene:** 203508 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. A novel adipokine, visfatin, is a newly discovered adipokine secreted mainly by visceral adipose tissue in humans and mice cell factor, Its structure is similar to pre-B cell colony-enhancing factor. It can exert insulin-like effects, associated with type II Diabetes, lower blood glucose, promote glucose uptake, bind to and activate the insulin receptor, activate the insulin signaling pathway. The visceral adipokine visfatin is closely associated with obesity and can promote adipocyte differentiation, and can also promote vascular smooth muscle cell maturation. Visfatin expression is regulated by inflammatory response factors and multiple hormones. PBEF-1 may be an important molecule linking glucose and lipid metabolism in the body. Its discovery may provide new research ideas for elucidating the mechanisms underlying the development and progression of Diabetes and obesity, and provide new strategies for the treatment of metabolic syndrome.

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