
Product Information

Size:

50ul

Reactivity:

Rat, Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB

Recommended dilutions:

WB:1:1000-1:5000

Protein Background:

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.

Gene ID:

Nampt

Uniprot

Q80Z29

Synonyms:

Nicotinamide phosphoribosyltransferase (NAmPRTase) (Nampt) (EC 2.4.2.12) (Pre-B-cell colony-enhancing factor 1 homolog) (PBEF) (Visfatin), Nampt, Pbef1

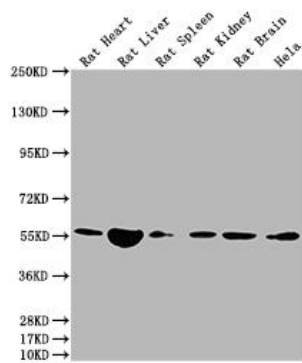
Immunogen:

Recombinant Rat Nampt protein (231-491AA).

Storage:

Preservative: 0.03% Proclin 300. Constituents: 50% Glycerol, 0.01M PBS, PH 7.4

Product Images



Western Blot. Positive WB detected in: Rat Heart tissue, Rat Liver tissue, Rat Spleen tissue, Rat Kidney tissue, Rat Brain tissue, HeLa whole cell lysate. All lanes: Nampt antibody at 1:2000. Secondary. Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 56 kDa. Observed band size: 56 kDa.