

PACO51734

Product Information

Size:

50ug

Reactivity:

Human

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IF

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:5000,
IHC:1:20-1:200, IF:1:50-1:200

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

P43490

Synonyms:

Nicotinamide phosphoribosyltransferase (NAMPRtase) (Nampt) (EC 2.4.2.12) (Pre-B-cell colony-enhancing factor 1) (Pre-B cell-enhancing factor) (Visfatin), NAMPT, PBEF PBEF1

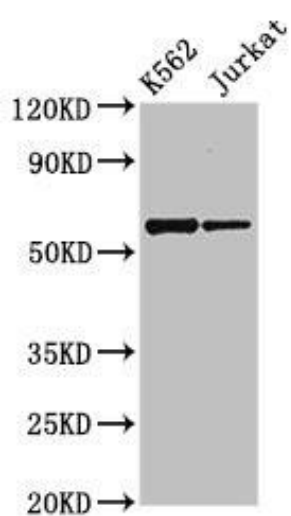
Immunogen:

Recombinant Human Nicotinamide phosphoribosyltransferase protein (1-280AA).

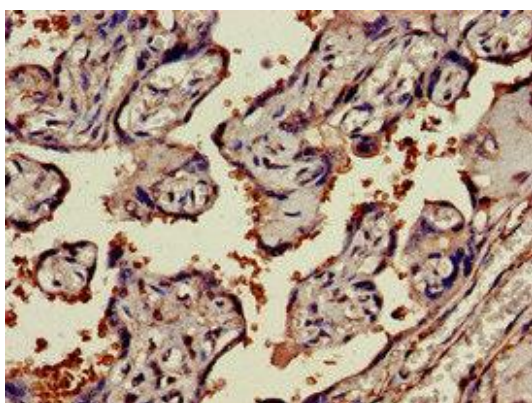
Storage:

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

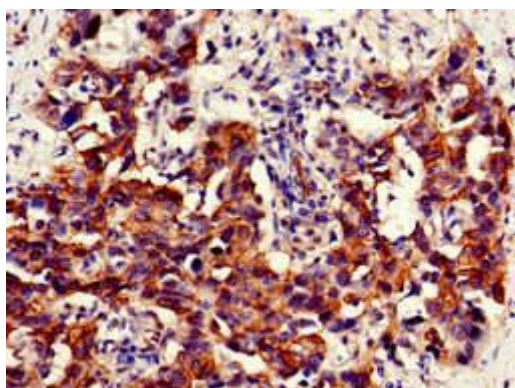
Product Images



Western Blot. Positive WB detected in: K562 whole cell lysate, Jurkat whole cell lysate. All lanes: NAMPT antibody at 2.7 μ g/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 56 kDa. Observed band size: 56 kDa.



Immunohistochemistry of paraffin-embedded human placenta tissue using PACO51734 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human bladder cancer using PACO51734 at dilution of 1:100.