

Datasheet for ABIN7161572
anti-NAMPT antibody (AA 1-280)

3 Images

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Overview

Quantity:	100 µL
Target:	NAMPT
Binding Specificity:	AA 1-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAMPT antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human Nicotinamide phosphoribosyltransferase protein (1-280AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	NAMPT
Alternative Name:	NAMPT (NAMPT Products)
Background:	Background: Catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, an intermediate in the biosynthesis of

Target Details

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 .

Aliases: 1110035014Rik antibody, AI314458 antibody, AI480535 antibody, DKFZP666B131 antibody, EC 2.4.2.12 antibody, MGC117256 antibody, NAmPRTase antibody, Nampt antibody, NAMPT_HUMAN antibody, Nicotinamide phosphoribosyltransferase antibody, PBEF 1 antibody, PBEF antibody, PBEF1 antibody, Pre B cell colony enhancing factor 1 antibody, Pre B cell colony enhancing factor antibody, Pre B cell enhancing factor antibody, Pre-B cell-enhancing factor antibody, Pre-B-cell colony-enhancing factor 1 antibody, VF antibody, Visfatin antibody

UniProt: [P43490](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

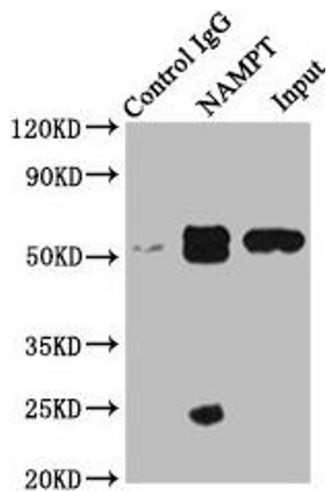
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

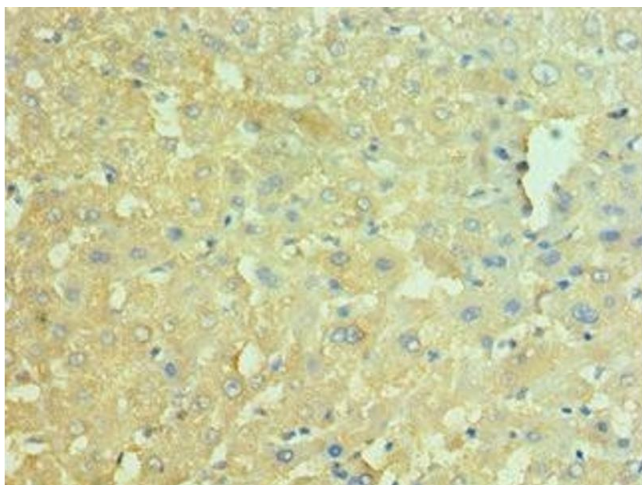
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



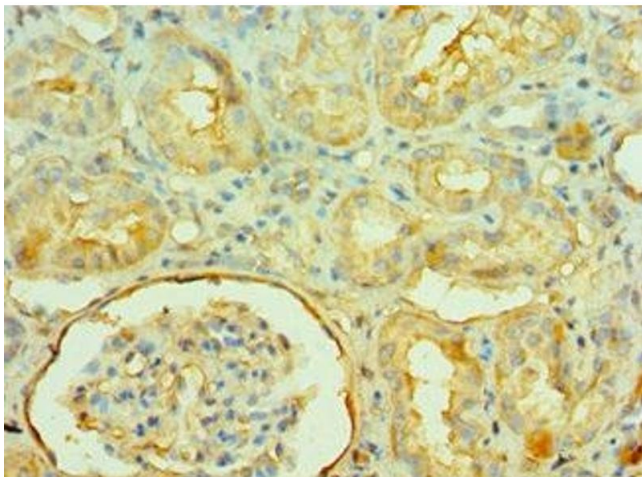
Western Blotting

Image 1. Immunoprecipitating NAMPT in MCF-7 whole cell lysate Lane 1: Rabbit control IgG instead of ABIN7161572 in MCF-7 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7161572 (8 µg) + MCF-7 whole cell lysate (500 µg) Lane 3: MCF-7 whole cell lysate (10 µg)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7161572 at dilution of 1:100



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7161572 at dilution of 1:100