Datasheet for ABIN7161578

anti-NMNAT1 antibody (AA 1-279)

1 Image

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Overview

Quantity:	100 µL
Target:	NMNAT1
Binding Specificity:	AA 1-279
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMNAT1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1 protein (1-279AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	NMNAT1
Alternative Name:	NMNAT1 (NMNAT1 Products)
Background:	Background: Catalyzes the formation of NAD(+) from nicotinamide mononucleotide (NMN) and

Target Details

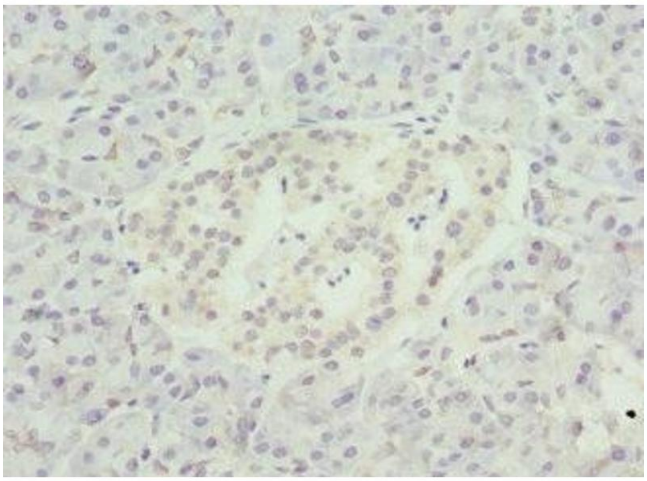
	ATP. Can also use the deamidated form, nicotinic acid mononucleotide (NaMN) as substrate with the same efficiency. Can use triazofurin monophosphate (TrMP) as substrate. Also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage of NAD(+). For the pyrophosphorolytic activity, prefers NAD(+) and NaAD as substrates and degrades NADH, nicotinic acid adenine dinucleotide phosphate (NHD) and nicotinamide guanine dinucleotide (NGD) less effectively. Fails to cleave phosphorylated dinucleotides NADP(+), NADPH and NaADP(+). Protects against axonal degeneration following mechanical or toxic insults. Aliases: EC 2.7.7.1 antibody, LCA9 antibody, Leber's congenital amaurosis 9 antibody, NaMN adenylyltransferase 1 antibody, nicotinamide nucleotide adenylyltransferase 1 antibody, Nicotinamide-nucleotide adenylyltransferase 1 antibody, Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1 antibody, nicotinate nucleotide adenylyltransferase 1 antibody, Nicotinate-nucleotide adenylyltransferase 1 antibody, NMN adenylyltransferase 1 antibody, NMN/NaMN adenylyltransferase 1 antibody, NMNA1_HUMAN antibody, Nmnat 1 antibody, Nmnat1 antibody, OTTHUMP00000001731 antibody, OTTHUMP00000001732 antibody, OTTHUMP00000035892 antibody, PNAT 1 antibody, PNAT1 antibody, pyridine nucleotide adenylyltransferase 1 antibody
UniProt:	Q9HAN9

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200,
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.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human pancreatic tissue using ABIN7161578 at dilution of 1:100