Datasheet for ABIN2783549

anti-NMNAT1 antibody (N-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	NMNAT1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Guinea Pig, Rabbit, Cow, Dog, Goat, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMNAT1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human NMNAT1
Sequence:	PVGDAYKKKG LIPAYHRVIM AELATKNSKW VEVDTWESLQ KEWKETLKVL
Predicted Reactivity:	Cow: 93%, Dog: 93%, Goat: 79%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against NMNAT1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	NMNAT1

Target Details

Alternative Name:	NMNAT1 (NMNAT1 Products)
Background:	The coenzyme NAD and its derivatives are involved in hundreds of metabolic redox reactions and are utilized in protein ADP-ribosylation, histone deacetylation, and in some Ca(2+) signaling pathways. NMNAT (EC 2.7.7.1) is a central enzyme in NAD biosynthesis, catalyzing the condensation of nicotinamide mononucleotide (NMN) or nicotinic acid mononucleotide (NaMN) with the AMP moiety of ATP to form NAD or NaAD.The coenzyme NAD and its derivatives are involved in hundreds of metabolic redox reactions and are utilized in protein ADP-ribosylation, histone deacetylation, and in some Ca(2+) signaling pathways. NMNAT (EC 2.7.7.1) is a central enzyme in NAD biosynthesis, catalyzing the condensation of nicotinamide mononucleotide (NMN) or nicotinic acid mononucleotide (NaMN) with the AMP moiety of ATP to form NAD or NaAD (Zhang et al., 2003 [PubMed 12574164]).[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: NMNAT, PNAT-1, PNAT1 Protein Interaction Partner: NMNAT1, KPNA2, CCNC, TDO2, rev, SIK1, NTRK2, NEK3, MSX1, FLOT2, APP, UBC, Protein Size: 279
Molecular Weight:	32 kDa
Gene ID:	64802
NCBI Accession:	NM_022787, NP_073624
UniProt:	Q9HAN9

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 279 AA
Restrictions:	For Research Use only

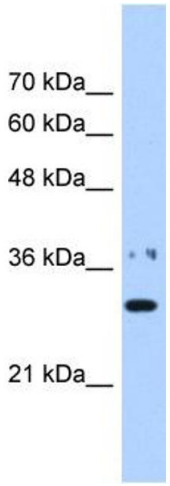
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

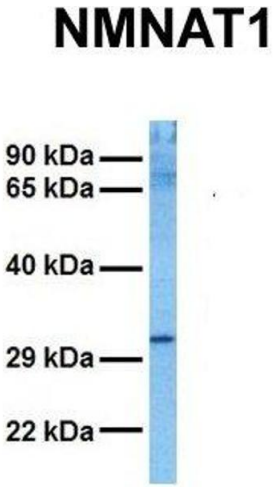
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-NMNAT1 Antibody Titration: 0.25ug/ml Positive Control: HepG2 cell lysate



Western Blotting

Image 2. Host: Rabbit Target Name: NMNAT1 Sample Tissue: Human HCT116 Antibody Dilution: 1.0ug/ml