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Datasheet for ABIN1393030

**anti-NMNAT1 antibody (Alexa Fluor 488)**

## Overview

Quantity:	100 µL
Target:	NMNAT1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMNAT1 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB)

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Nmnat1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Chicken,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	NMNAT1
Alternative Name:	Nmnat1 ( <a href="#">NMNAT1 Products</a> )
Background:	Synonyms: NaMN adenylyltransferase 1, Nicotinamide mononucleotide adenylyltransferase 1, nicotinamide nucleotide adenylyltransferase 1, nicotinate nucleotide adenylyltransferase 1,

## Target Details

Nicotinate-nucleotide adenylyltransferase 1, NMN adenylyltransferase 1, NMNA1\_HUMAN, Nmnat 1, Nmnat1, Nmnat-1, OTTHUMP00000001731, OTTHUMP00000001732, OTTHUMP000000035892, PNAT 1, PNAT1, pyridine nucleotide adenylyltransferase 1.

Background: Nicotinamide adenine dinucleotide (NMNAT) is an essential cofactor involved in fundamental processes in cell metabolism. NMNAT plays a key role in NAD(+) biosynthesis, catalysing the condensation of nicotinamide mononucleotide and ATP, and yielding NAD(+) and pyrophosphate. NMNAT appears to be a substrate of nuclear kinases and contains at least three potential phosphorylation sites. The interaction of NMNAT with nuclear proteins is likely to be modulated by phosphorylation. NMNAT is widely expressed with highest levels in skeletal muscle, heart, liver and kidney.

## Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months