

Datasheet for ABIN7268909
anti-NMNAT1 antibody (AA 1-150)



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1 Image

Overview

Quantity:	100 µL
Target:	NMNAT1
Binding Specificity:	AA 1-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMNAT1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	NMNAT1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human NMNAT1 (NP_073624.2).
Sequence:	MENSEKTEVV LLACGSFNPI TNMHLRLFEL AKDYMNGTGR YTVVKGIIISP VGDAYKKKGL IPAYHRVIMA ELATKNSKWV EVDTWESLQK EWKETLKVLR HHQEKLEASD CDHQQNSPTL ERPGRKRKWT ETQDSSQKKS LEPKTKAVPK
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

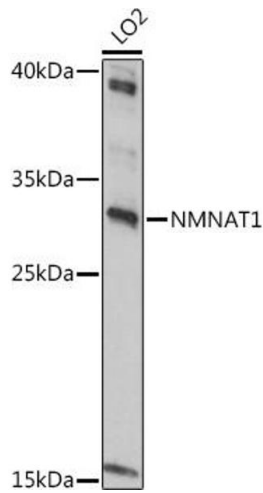
Target:	NMNAT1
Alternative Name:	NMNAT1 (NMNAT1 Products)
Background:	<p>This gene encodes an enzyme which catalyzes a key step in the biosynthesis of nicotinamide adenine dinucleotide (NAD). The encoded enzyme is one of several nicotinamide nucleotide adenylyltransferases, and is specifically localized to the cell nucleus. Activity of this protein leads to the activation of a nuclear deacetylase that functions in the protection of damaged neurons. Mutations in this gene have been associated with Leber congenital amaurosis 9. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are located on chromosomes 1, 3, 4, 14, and 15.,NMNAT1,LCA9,NMNAT,PNAT1,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,Endocrine & Metabolism,Neuroscience,Neurodegenerative Diseases,NMNAT1</p>
Molecular Weight:	31kDa
Gene ID:	64802
UniProt:	Q9HAN9

Application Details

Application Notes:	WB,1:500 - 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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of LO2 cells, using NMN antibody (ABIN7268909) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.