Datasheet for ABIN1169224

anti-NMNAT2 antibody

1 Image

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Overview

Quantity:	100 µg
Target:	NMNAT2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant human NMNAT2.
Clone:	Nady-1
Isotype:	IgG1
Specificity:	Recognizes human NMNAT2.
Cross-Reactivity:	Human
Sterility:	0.2 µm filtered

Target Details

Target:	NMNAT2
Alternative Name:	NMNAT2 (NMNAT2 Products)
Background:	NMNAT2 catalyzes the formation of NAD+ from nicotinamide mononucleotide (NMN) and ATP. Can also use the deamidated form nicotinic acid mononucleotide (NaMN) as a substrate but

Target Details

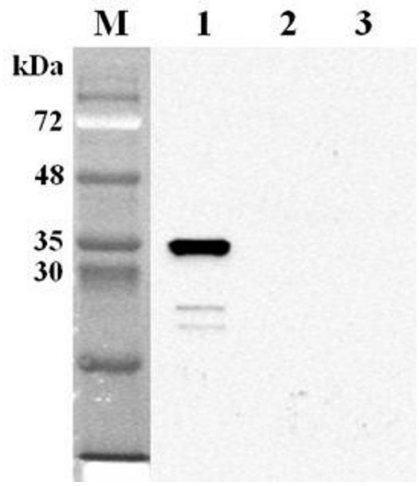
	with lower efficiency. Also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage of NAD+. Highly expressed in brain, in particular in cerebrum, cerebellum, occipital lobe, frontal lobe, temporal lobe and putamen. Also found in the heart, skeletal muscle, pancreas and islets of Langerhans. Has been shown to correlate with Alzheimer's disease in APPswe/PS1dE9 transgenic mice and delayed wallerian degeneration in cultured superior cervical ganglia (SCGs) from morphological changes, microtubule destruction and neurofilament degradation.
UniProt:	Q9BZQ4

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis using anti-NMNAT2 (human), mAb (Nady-1) at 1:2'000 dilution. 1: Human NMNAT2 (His-tagged). 2: Human NMNAT3 (His-tagged). 3: Unrelated (His-tagged) (negative control).

