

Datasheet for ABIN1169223

anti-NMNAT2 antibody[Go to Product page](#)**1** Image

Overview

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

Product Details

Immunogen:	Recombinant human NMNAT2.
Specificity:	Recognizes human NMNAT2. Detects a band of ~35 kDa by Western blot. Not tested in other species.
Cross-Reactivity:	Human
Cross-Reactivity (Details):	Not tested in other species.
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 with lower efficiency. Also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage

Target Details

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 APP^{swe}/PS1^{dE9} 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

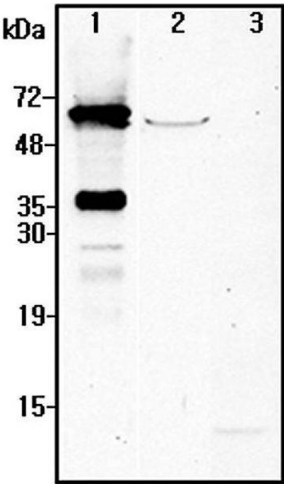
Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months



Western Blotting

Image 1. Western blot analysis using anti-NMNAT2 (human), pAb at 1:4'000 dilution. 1: Human NMNAT2 (His-tagged) (50ng). 2: Human mesenchymal stem cell lysate (V1T1) (50µg). 3: Unrelated Protein (His-tagged) (50ng).