

32-5997: Mouse Anti Human Nicotinamide Nucleotide Adenylyltransferase 1(Clone: PAT4A2AT.)

Clonality :	Monoclonal
Clone Name :	PAT4A2AT.
Application :	ELISA, WB
Gene :	NMNAT1
Gene ID :	64802
Uniprot ID :	Q9HAN9
Format :	Purified
Alternative Name :	NMNAT, NMNAT1, PNAT1, Nicotinamide mononucleotide adenylyltransferase 1, NMN adenylyltransferase 1, Nicotinate-nucleotide adenylyltransferase 1, NaMN adenylyltransferase 1, EC=2.7.7.1, EC=2.7.7.18.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human NMNAT1 mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human NMNAT1 amino acids 1-279 purified from E. coli.

Description

NMNAT1 enzyme is vital for 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. NMNAT1 is widely expressed with high levels in skeletal muscle, heart, liver and kidney. This protein appears to have the ability to protect against axonal degeneration following mechanical or toxic insults.

Product Info

Amount :	20 µg
Purification :	NMNAT1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

NMNAT1 antibody has been tested by ELISA and Western blot analyses to assure specificity and reactivity. Since vary, each investigation should be titrated by a reagent to obtain optimal results. Recommended dilution range for Western blot is 1:500 ~ 1000. Recommended starting dilution is 1:500.