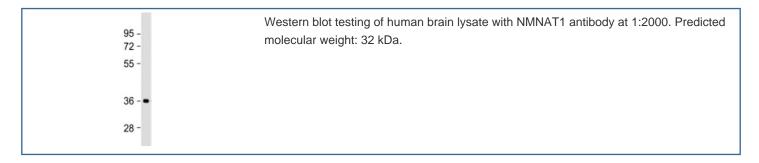


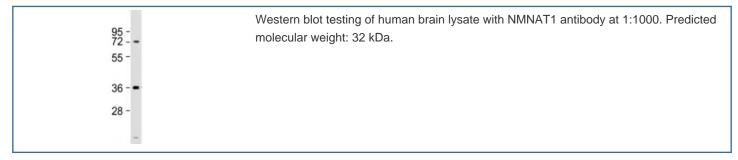
NMNAT1 Antibody (F53836)

Catalog No.	Formulation	Size
F53836-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53836-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9HAN9
Applications	Western Blot : 1:1000-2000
Limitations	This NMNAT1 antibody is available for research use only.





Description

Nicotinamide mononucleotide adenylyltransferase 1 catalyzes the formation of NAD(+) from nicotinamide mononucleotide (NMN) and ATP. Can also use the deamidated form; nicotinic acid mononucleotide (NaMN) as substrate with the same efficiency. Can use triazofurin monophosphate (TrMP) as substrate. Also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage of NAD(+). For the pyrophosphorolytic activity, prefers NAD(+) and NAAD as substrates and degrades NADH, nicotinic acid adenine dinucleotide phosphate (NHD) and nicotinamide guanine dinucleotide (NGD) less effectively. Fails to cleave phosphorylated dinucleotides NADP(+), NADPH and NAADP(+). Protects against axonal degeneration following mechanical or toxic insults.

Application Notes

Titration of the NMNAT1 antibody may be required due to differences in protocols and substrate sensitivity.

Immunogen

A portion of amino acids 171-201 from the human protein was used as the immunogen for the NMNAT1 antibody.

Storage

Aliquot the NMNAT1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.