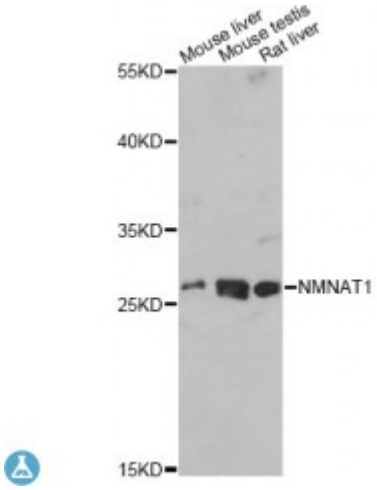
Anti-NMNAT1 Antibody



Description	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.

Model	STJ117831
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-150 of human NMNAT1 (NP_073624.2).
Gene ID	64802
Gene Symbol	NMNAT1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed with highest levels in skeletal muscle, heart and kidney, Also expressed in the liver pancreas and placenta, Widely expressed throughout the brain
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1 NMN/NaMN adenylyltransferase 1
Molecular Weight	31.932 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:17877OMIM:608553Reactome:R-HSA-196807
Alternative Names	Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1 NMN/NaMN adenylyltransferase 1
Function	Catalyzes the formation of NAD(+) from nicotinamide mononucleotide (NMN) and ATP ,
Cellular Localization	Nucleus

St John's Laboratory Ltd
F +44 (0)207 681 2580
T +44 (0)208 223 3081
W http://www.stjohnslabs.com/
E info@stjohnslabs.com