

Product datasheet for TA502219

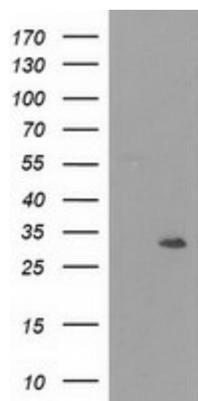
NMNAT1 Mouse Monoclonal Antibody [Clone ID: OT11F7]

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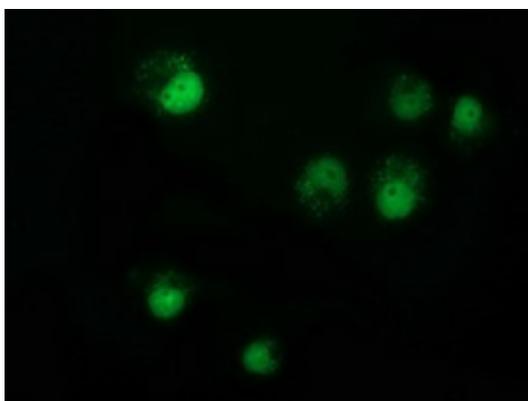
Product Type:	Primary Antibodies
Clone Name:	OT11F7
Applications:	IF, WB
Recommend Dilution:	WB 1:2000, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NMNAT1 (NP_073624) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	31.8 kDa
Gene Name:	nicotinamide nucleotide adenylyltransferase 1
Database Link:	NP_073624 Entrez Gene 64802 Human
Background:	The coenzyme NAD and its derivatives are involved in hundreds of metabolic redox reactions and are utilized in protein ADP-ribosylation, histone deacetylation, and in some Ca(2+) signaling pathways. NMNAT (EC 2.7.7.1) is a central enzyme in 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 (Zhang et al., 2003 [PubMed 12574164]). [supplied by OMIM]
Synonyms:	LCA9; NMNAT; PNAT1
Protein Pathways:	Metabolic pathways, Nicotinate and nicotinamide metabolism



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Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NMNAT1 ([RC204825], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NMNAT1. Positive lysates [LY402948] (100ug) and [LC402948] (20ug) can be purchased separately from OriGene.



Anti-NMNAT1 mouse monoclonal antibody (TA502219) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY NMNAT1 ([RC204825]).