

## Product datasheet for **TA346819**

### NMNAT1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-NMNAT1 antibody: synthetic peptide directed towards the N terminal of human NMNAT1. Synthetic peptide located within the following region: PVGDAYKKKGLIPAYHRVIMAE LATKNSKWVEVDTWESLQKEWKETLKVL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	32 kDa
Gene Name:	nicotinamide nucleotide adenylyltransferase 1
Database Link:	<a href="#">NP_073624</a> <a href="#">Entrez Gene 64802 Human</a> <a href="#">Q9HAN9</a>
Background:	This gene encodes an enzyme which catalyzes a key step in the biosynthesis of the coenzyme NAD. The encoded protein is one of several nicotinamide nucleotide adenylyltransferases. Studies in Drosophila and mammalian neurons have shown the encoded protein can confer protection to damaged neurons. This protection requires enzymatic activity which increases NAD levels and activates a nuclear deacetylase which is the protective molecule. Pseudogenes of this gene are located on chromosomes 1, 3, 4, 14 and 15. [provided by RefSeq, Dec 2011]



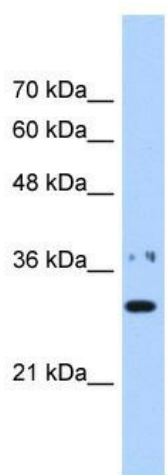
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**Synonyms:** LCA9; NMNAT; PNAT1

**Note:** Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Guinea pig: 100%; Dog: 93%; Horse: 93%; Bovine: 93%; Zebrafish: 86%; Goat: 79%

**Protein Pathways:** Metabolic pathways, Nicotinate and nicotinamide metabolism

**Product images:**



WB Suggested Anti-NMNAT1 Antibody Titration:  
0.25 ug/ml; Positive Control: HepG2 cell lysate