

NMNAT3 polyclonal antibody

Catalog # PAB11562 Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of NMNAT3.
Immunogen	A synthetic peptide corresponding to human NMNAT3.
Sequence	C-GSTWKGKSTQSTE
Host	Goat
Theoretical MW (kDa)	24.1
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NMNAT3

Entrez GeneID [349565](#)

Protein Accession# [NP_835471.1](#)

Gene Name NMNAT3

Gene Alias PNAT-3, PNAT3

Gene Description nicotinamide nucleotide adenyltransferase 3

Omim ID [608702](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations pyridine nucleotide adenyltransferase 3

Publication Reference

- [Initial-rate kinetics of human NMN-adenyltransferases: substrate and metal ion specificity, inhibition by products and multisubstrate analogues, and isozyme contributions to NAD+ biosynthesis.](#)

Sorci L, Cimadamore F, Scotti S, Petrelli R, Cappellacci L, Franchetti P, Orsomando G, Magni G.

Biochemistry 2007 Apr; 46(16):4912.

Pathway

- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)