

Rabbit anti-Human NMNAT3 Polyclonal Antibody | anti-NMNAT3 antibody

Anti-NMNAT3 Antibody, Rabbit Polyclonal

CATALOG # AAA256910	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

NMNAT3; Polyclonal Antibody; Anti-NMNAT3 Antibody; Rabbit Polyclonal; NMNAT3 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-FKSG76 Antibody; Anti-PNAT-3 Antibody; Anti-PNAT3 Antibody; anti-NMNAT3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human NMNAT3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-NMNAT3 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human NMNAT3 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human NMNAT3 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human NMNAT3 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human NMNAT3 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-NMNAT3 antibody	Nicotinamide adenine dinucleotide (NAD) is an essential co-enzyme mediating various enzymatic reactions. Mitochondrial NAD particularly occupies a considerable amount of total NAD in cells, and serves as a co-enzyme in tricarboxylic acid cycle (TCA cycle), beta-oxidation, and oxidative phosphorylation. NAD biosynthesis plays important roles in regulating various biological processes. Nicotinamide mononucleotide adenylyltransferase (NMNAT) catalyzes the formation of nicotinamide adenine dinucleotide (NAD). In humans, three isozymes have been identified: NMNAT1, which is widely expressed in all tissues, NMNAT2 and NMNAT3, which show a tissue-specific expression and whose mRNA levels are generally lower compared to NMNAT1. Nicotinamide mononucleotide adenylyltransferase 3 (NMNAT3) is considered a mitochondria-localized NAD synthesis enzyme involved in de novo and salvage pathways.
References	Yamamoto M, et al. (2016) Nmnat3 is dispensable in mitochondrial nad level maintenance in vivo. PLoS One 11 (1): e0147037.Hikosaka K, et al. (2014) Deficiency of nicotinamide mononucleotide adenylyltransferase 3 (nmnat3) causes hemolytic anemia by altering the glycolytic flow in mature erythrocytes. J Biol Chem 289 (21): 14796-14811.Di Stefano M, et al. (2010) Unique expression pattern of human nicotinamide mononucleotide adenylyltransferase isozymes in red blood cells. Blood Cells Mol Dis 45 (1): 33-39.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nmnat3-antibody-immunohistochemistry-elisa/256910>