

Human NMNAT-1 antibody

Catalog Number: ATGA0533

PRODUCT INFORMATION

Catalog number

ATGA0533

Clone No.

AT4G8

Product type

Monoclonal antibody

UnitProt No.

Q9HAN9

NCBI Accession No.

NP_073624

Alternative Names

Nicotinamide nucleotide adenylyltransferase 1, Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1, NMN/NaMN adenylyltransferase 1, Nicotinamide nucleotide adenylyltransferase, Leber's congenital amaurosis 9, LCA9, PNAT1, NMNAT

Additional Information

This product was produced from tissue culture supernatant.

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human NMNAT-1 (19-609aa) purified from E. coli.

Isotype

IgG1 kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB

Human NMNAT-1 antibody

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Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

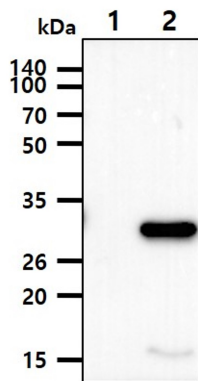
NMNAT1, also known as NMNAT or PNAT1, is a central enzyme in NAD biosynthesis, catalyzing the condensation of nicotinamide mononucleotide (NMN) or nicotinic acid mononucleotide (NaMN) with the AMP moiety of ATP to form NAD or NaAD. It is widely expressed with high levels in skeletal muscle, heart, liver and kidney. This protein appears to have the ability to protect against axonal degeneration following mechanical or toxic insults.

General References

Emanuelli M. et al. (2001) J Biol Chem. 276(1):406-12.
Zhou T,,et al. (2002) J Biol Chem. 277(15):13148-54.

DATA

Western blot analysis (WB)



The cell lysates(10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NMNAT-1 antibody (1:2000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: 293T cell lysate
Lane 2.: NMNAT-1 Transfected 293T cell lysate