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NMNAT3 Polyclonal Antibody

(Catalog # A57005)

Background
Catalyzes the formation of NAD+ from nicotinamide mononucleotide (NMN) and ATP. Can also use the deamidated form; nicotinic acid mononucleotide (NaMN) as substrate with the same efficiency. Can use triazofurin monophosphate (TrMP) as substrate. Can also use GTP and ITP as nucleotide donors. Also catalyzes the reverse reaction, i. e. the pyrophosphorolytic cleavage of NAD+. For the pyrophosphorolytic activity, can use NAD (+), NADH, NAAD, nicotinic acid adenine dinucleotide phosphate (NHD), nicotinamide guanine dinucleotide (NGD) as substrates. Fails to cleave phosphorylated dinucleotides NADP+, NADPH and NAADP+. Protects against axonal degeneration following injury.

Description
NMNAT3 Polyclonal Antibody. Unconjugated. Raised in: Rabbit.

Formulation
0.03% Proclin 300, 50% Glycerol, 0.01M PBS, PH 7.4.

Specificity
Human, Mouse

Isotype
IgG

Uniprot ID
Q96T66

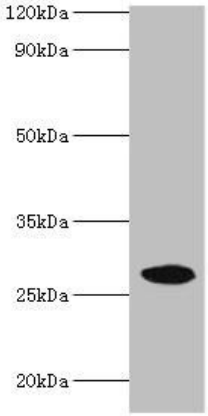
Purification
Protein G purified

Immunogen
Recombinant Human Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 3 protein (1-215AA)

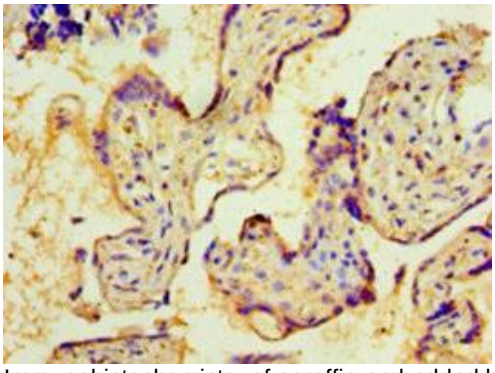
Storage
Shipped at 4°C. Upon delivery aliquot and store at -20°C (short-term) or -80°C (long-term). Avoid repeated freeze.

Alternative Names
NMN adenylyltransferase 3, Nicotinate-nucleotide adenylyltransferase 3, NaMN adenylyltransferase 3, Pyridine nucleotide adenylyltransferase 3, PNAT-3FKSG76, NMNAT3

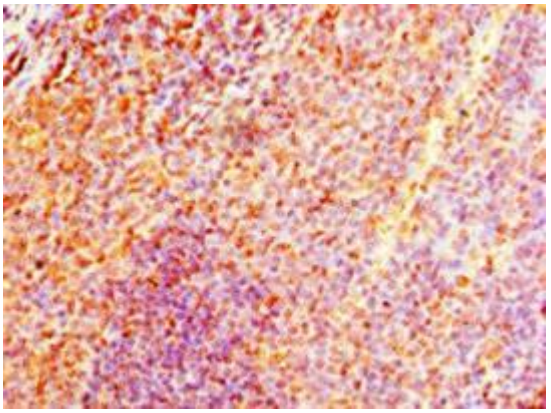
Application
ELISA, WB, IHC; Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200



Western blot
All lanes: NMNAT3 antibody at 2ug/ml + Mouse brain tissue
Secondary
Goat polyclonal to rabbit IgG at 1/10000 dilution
Predicted band size: 29, 25, 19 kDa
Observed band size: 29 kDa



Immunohistochemistry of paraffin-embedded human placenta tissue using NMNAT3 Antibody at dilution of 1:100



Immunohistochemistry of paraffin-embedded human tonsil tissue using NMNAT3 Antibody at dilution of 1:100