

NMNAT1 antibody

Product Information

Catalog No.:	FNab05767
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Catalyzes the formation of NAD(+) from nicotinamide mononucleotide(NMN) and ATP(PubMed:17402747). Can also use the deamidated form; nicotinic acid mononucleotide(NaMN) as substrate with the same efficiency(PubMed:17402747). Can use triazofurin monophosphate(TrMP) as substrate(PubMed:17402747). Also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage of NAD(+) (PubMed:17402747). For the pyrophosphorolytic activity, prefers NAD(+) and NaAD as substrates and degrades NADH, nicotinic acid adenine dinucleotide phosphate(NHD) and nicotinamide guanine dinucleotide(NGD) less effectively(PubMed:17402747). Involved in the synthesis of ATP in the nucleus, together with PARP1, PARG and NUDT5(PubMed:27257257). Nuclear ATP generation is required for extensive chromatin remodeling events that are energy-consuming(PubMed:27257257). Fails to cleave phosphorylated dinucleotides NADP(+), NADPH and NaADP(+)(PubMed:17402747). Protects against axonal degeneration following mechanical or toxic insults(By similarity).

Immunogen information

Immunogen:	nicotinamide nucleotide adenylyltransferase 1
Synonyms:	Nicotinamide/nicotinic acid mononucleotide adenylyltransferase 1 (NMN/NaMN adenylyltransferase 1) Nicotinamide-nucleotide adenylyltransferase 1 (NMN adenylyltransferase 1) Nicotinate-nucleotide adenylyltransferase 1 (NaMN adenylyltransferase 1) NMNAT1 NMNAT

Observed MW: 32 kDa
Uniprot ID : Q9HAN9

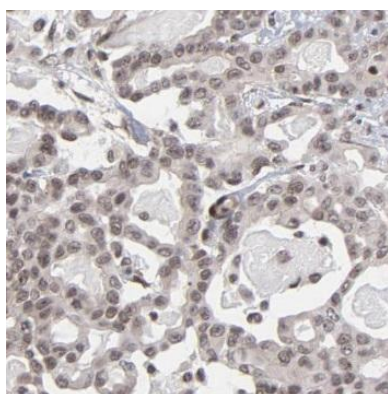
Application

Reactivity: Human

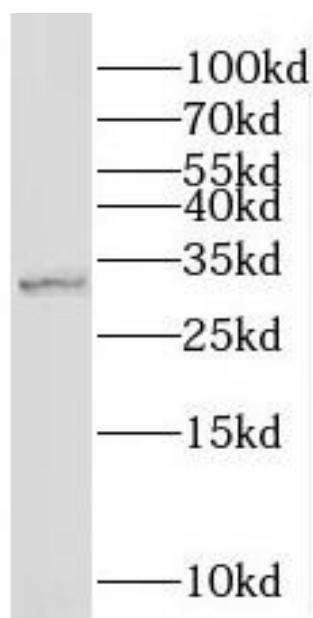
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human pancreas cancer using FNab05767(NMNAT1 antibody) at dilution of 1:50



human testis tissue were subjected to SDS PAGE followed by western blot with FNab05767(NMNAT1 antibody) at dilution of 1:500