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anti-NMNAT1 antibody (AA 171-201)

2 Images



| Overview | |
|-----------------------|--|
| Quantity: | 200 μL |
| Target: | NMNAT1 |
| Binding Specificity: | AA 171-201 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NMNAT1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |
| Product Details | |
| Immunogen: | This NMNAT1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 171-201 amino acids from human NMNAT1. |
| Clone: | RB55362 |
| Isotype: | lg Fraction |
| Predicted Reactivity: | В |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Target Details | |
| Target: | NMNAT1 |
| Alternative Name: | NMNAT1 (NMNAT1 Products) |

Target Details

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| Duo | | \sim | <i>.</i> | ч. |

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. Also catalyzes the reverse reaction, i.e. the pyrophosphorolytic cleavage of NAD(+). 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. Fails to cleave phosphorylated dinucleotides NADP(+), NADPH and NAADP(+). Protects against axonal degeneration following mechanical or toxic insults.

Molecular Weight:

31932

UniProt:

Q9HAN9

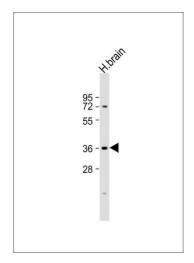
Application Details

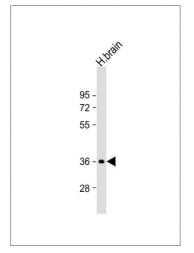
| Application Notes: | WB: 1:2000. WB: 1:1000 |
|--------------------|------------------------|
| | |

Restrictions: For Research Use only

Handling

| Format: | Liquid |
|--------------------|--|
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Expiry Date: | 6 months |





Western Blotting

Image 1. Anti-NMNAT1 Antibody (C-Term) at 1:1000 dilution + human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 32 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Western Blotting

Image 2. Anti-NMNAT1 Antibody (C-Term) at 1:2000 dilution + human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 32 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.