

NAT13 Rabbit pAb

CatalogNo: YN7999

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 19kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human NAT13

Specificity

This antibody detects endogenous levels of NAT13 at Human, Mouse

Target Information

Gene name

NAA50 MAK3 NAT13 NAT5

Protein Name N-alpha-acetyltransferase 50 (N-acetyltransferase 13) (N-acetyltransferase 5) (hNAT5) (N-acetyltransferase san homolog) (hSAN) (NatE catalytic subunit)

Organism	Gene ID	UniProt ID
Human	80218;	Q9GZZ1;
Mouse	72117;	Q6PGB6;

Cellular Localization Cytoplasm . Nucleus . Localizes to the cytoplasm in interphase cells (PubMed:17502424). .

Function N-alpha-acetyltransferase that acetylates the N-terminus of proteins that retain their initiating methionine . Has a broad substrate specificity: able to acetylate the initiator methionine of most peptides, except for those with a proline in second position . Also displays N-epsilon-acetyltransferase activity by mediating acetylation of the side chain of specific lysines on proteins . Autoacetylates in vivo . The relevance of N-epsilon-acetyltransferase activity is however unclear: able to acetylate H4 in vitro, but this result has not been confirmed in vivo . Component of N-alpha-acetyltransferase complexes containing NAA10 and NAA15, which has N-alpha-acetyltransferase activity . Does not influence the acetyltransferase activity of NAA10 . However, it negatively regulates the N-alpha-acetyltransferase activity of the N-terminal acetyltransferase A complex (also called the NatA complex) . The multiprotein complexes probably constitute the major contributor for N-terminal acetylation at the ribosome exit tunnel, with NAA10 acetylating all amino termini that are devoid of methionine and NAA50 acetylating other peptides . Required for sister chromatid cohesion during mitosis by promoting binding of CDCA5/sororin to cohesin: may act by counteracting the function of NAA10 .

| Validation Data

| Contact information

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NAT13 Rabbit pAb

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