

Rabbit anti-Human NAT10 Polyclonal Antibody | anti-NAT10 antibody

NAT10 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234174	Rabbit	Human	Immunohistochemistry, ELISA

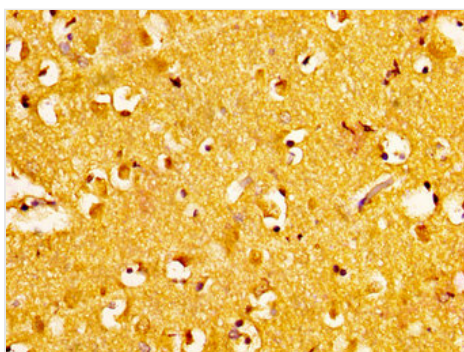
PRODUCT SYNONYMS

NAT10; Polyclonal Antibody; NAT10 Antibody; RNA cytidine acetyltransferase; 18S rRNA cytosine acetyltransferase1; anti-NAT10 antibody

PRODUCT SPECIFICATIONS

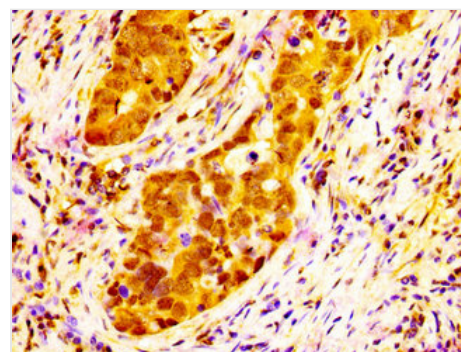
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	953
Applicable Applications for anti-NAT10 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human RNA cytidine acetyltransferase protein (909-1025AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image of AAA234174 diluted at 1:300 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234174 diluted at 1:300 and staining in paraffin-embedded human pancreatic cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-NAT10 antibody	RNA cytidine acetyltransferase with specificity toward both 18S rRNA and tRNAs (PubMed:25653167). Catalyzes the formation of N(4)-acetylcytidine (ac4C) at positions 1337 and 1842 in 18S rRNA (By similarity). Required for early nucleolar cleavages of precursor rRNA at sites A0, A1 and A2 during 18S rRNA synthesis (PubMed:25653167). Catalyzes the formation of ac4C in serine and leucine tRNAs (By similarity). Requires the tRNA-binding adapter protein THUMBD1 for full tRNA acetyltransferase activity but not for 18S rRNA acetylation (PubMed:25653167). Can acetylate both histones and microtubules. Histone acetylation may regulate transcription and mitotic chromosome de-condensation. Activates telomerase activity by stimulating the transcription of TERT, and may also regulate telomerase function by affecting the balance of telomerase subunit assembly, disassembly, and localization. Acetylates alpha-tubulin, which may affect microtubule stability and cell division (PubMed:14592445, PubMed:17631499, PubMed:18082603, PubMed:19303003).
Product Categories/Family for anti-NAT10 antibody	Epigenetics and Nuclear Signaling; Cell biology; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316741
NCBI GeneID	55226
NCBI Accession #	NP_001137502.1
NCBI GenBank Nucleotide #	NM_001144030.1
UniProt Accession #	Q9H0A0; Q86WK5; Q9C0F4; Q9HA61; Q9NVF2; B4DFD5; E7ESU4; E9PMN9
Molecular Weight	107,297 Da
NCBI Official Full Name	RNA cytidine acetyltransferase isoform b
NCBI Official Synonym Full Names	N-acetyltransferase 10
NCBI Official Symbol	NAT10
NCBI Official Synonym Symbols	ALP; Kre33; NET43
NCBI Protein Information	RNA cytidine acetyltransferase
UniProt Protein Name	RNA cytidine acetyltransferase
UniProt Gene Name	NAT10

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nat10-antibody-immunohistochemistry-elisa/234174>