

Rabbit NAT10 Polyclonal Antibody | anti-NAT10 antibody

NAT10 Antibody

CATALOG # AAA323251	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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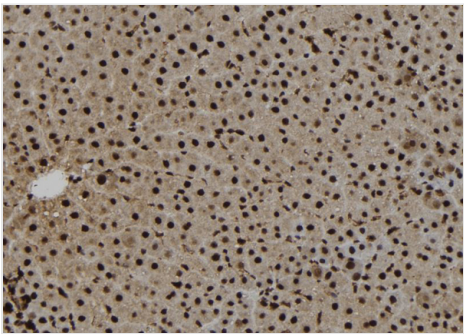
PRODUCT SYNONYMS

NAT10; Polyclonal Antibody; NAT10 Antibody; ALP; DKFZp434C116; FLJ10774; FLJ12179; FLJ23850; hALP; KIAA1709; N acetyltransferase 10; N acetyltransferase 10 GCN5 related; N acetyltransferase like; N acetyltransferase like protein; N-acetyltransferase 10; NAT10_HUMAN; NET43; anti-NAT10 antibody

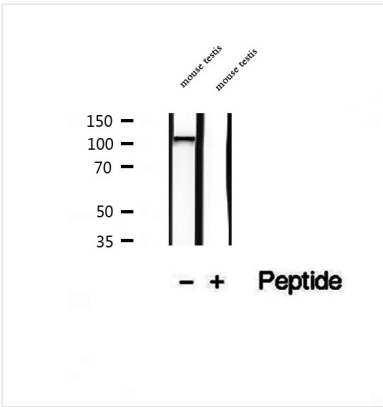
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NAT10 antibody detects endogenous levels of NAT10.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	953
Applicable Applications for anti-NAT10 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NAT10.
Subcellular Location	Nucleus > Nucleolus. Nucleolar in interphase and redistributes to the perichromosomal layer and to the midbody during telophase.
Tissue Specificity	Transcriptionally activated by genotoxic agents; possible role in DNA damage and induction of cellular resistance to genotoxic agents.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323251 at 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of mouse testis tissue, using NAT10 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-NAT10 antibody	Function: RNA cytidine acetyltransferase with specificity toward both 18S rRNA and tRNAs (PubMed:25411247, PubMed:25653167). Catalyzes the formation of N4-acetylcytidine (ac4C) at position 1842 in 18S rRNA (PubMed:25411247). May also catalyze the formation of ac4C at position 1337 in 18S rRNA (By similarity). Required for early nucleolar cleavages of precursor rRNA at sites A0, A1 and A2 during 18S rRNA synthesis (PubMed:25411247, 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 (PubMed:14592445, PubMed:17631499, PubMed:19303003). Histone acetylation may regulate transcription and mitotic chromosome de-condensation (PubMed:17631499). 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 (PubMed:14592445, PubMed:18082603). Acetylates alpha-tubulin, which may affect microtubule stability and cell division (PubMed:19303003). Subunit Structure: Interacts with THUMBD1 (PubMed:25653167). Interacts with SUN1 (via N-terminus) (PubMed:17631499). Interacts with TERT (PubMed:18082603). Similarity: Belongs to the RNA cytidine acetyltransferase family. NAT10 subfamily.
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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	Observed: 116 kDa Predicted: 116 kDa
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-western-blot-elisa/323251>