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Datasheet for ABIN7116678  
**anti-NAT10 antibody**

### Overview

Quantity:	100 µg
Target:	NAT10
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAT10 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP)

### Product Details

Immunogen:	N-acetyltransferase 10(GCN5-related)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	NAT10
Alternative Name:	NAT10 ( <a href="#">NAT10 Products</a> )
Background:	Synonyms:ALP, KIAA1709 Background: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

## Target Details

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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 decondensation. 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).

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Molecular Weight: 116 kDa

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Gene ID: 55226

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UniProt: [Q9H0A0](#)

## Application Details

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Application Notes: WB: 1:500-1:2000, IP: 1:200-1:1000, IF: 1:20-1:200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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Expiry Date: 12 months