

## NAT10 antibody

### Product Information

Catalog No.:	FNab05562
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### 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 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).

### Immunogen information

Immunogen:	N-acetyltransferase 10(GCN5-related)
Synonyms:	RNA cytidine acetyltransferase 18S rRNA cytosine acetyltransferase N-acetyltransferase 10 N-acetyltransferase-like protein (hALP) NAT10 ALP KIAA1709
Observed MW:	116 kDa
Uniprot ID :	Q9H0A0

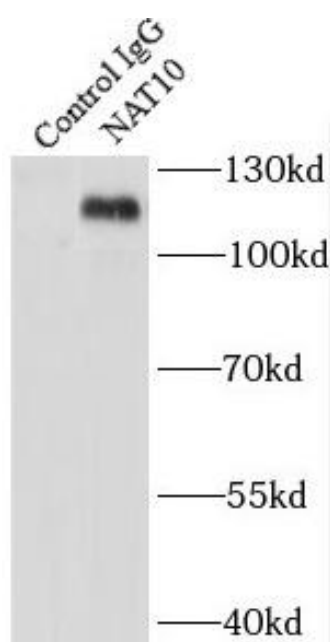
## Application

Reactivity: Human, Mouse, Rat

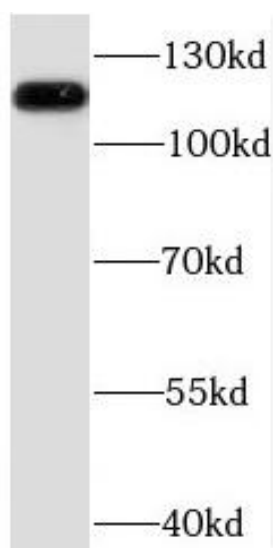
Tested Application: ELISA, WB, IF, IP

Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IF: 1:20-1:200

Image:



IP Result of anti-NAT10 (IP:FNab05562, 2ug;  
Detection:FNab05562 1:500) with mouse testis  
tissue lysate 4000ug.



HeLa cells were subjected to SDS PAGE followed  
by western blot with FNab05562( NAT10  
Antibody) at dilution of 1:3000