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Datasheet for ABIN7168284

anti-NAT1 antibody (AA 909-1025) (Biotin)

Overview

Quantity:	100 µg
Target:	NAT1
Binding Specificity:	AA 909-1025
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAT1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human RNA cytidine acetyltransferase protein (909-1025AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NAT1
Alternative Name:	NAT1 (NAT1 Products)
Background:	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

Target Details

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). Aliases: ALP antibody, DKFZp434C116 antibody, FLJ10774 antibody, FLJ12179 antibody, FLJ23850 antibody, hALP antibody, KIAA1709 antibody, N acetyltransferase 10 antibody, N acetyltransferase 10 GCN5 related antibody, N acetyltransferase like antibody, N acetyltransferase like protein antibody, N-acetyltransferase 10 antibody, NAT10 antibody, NAT10_HUMAN antibody, NET43 antibody

UniProt: [Q9H0A0](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.