

Datasheet for ABIN7168283
anti-NAT1 antibody (AA 909-1025)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	NAT1
Binding Specificity:	AA 909-1025
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

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 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

Target Details

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: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IP:1:200-1:2000,

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.

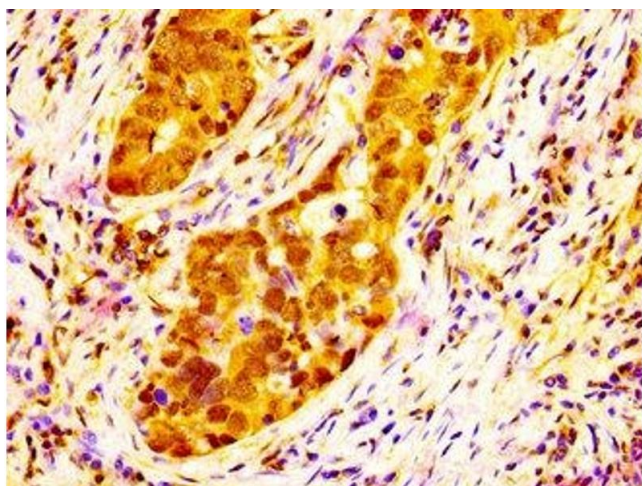
Storage: -20 °C,-80 °C

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



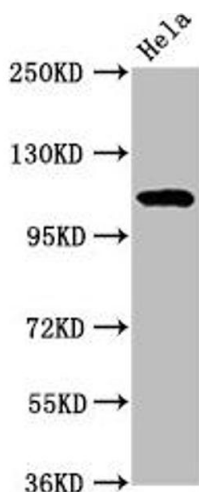
Immunohistochemistry

Image 1. IHC image of ABIN7168283 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 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 2. IHC image of ABIN7168283 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 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 3. Western Blot Positive WB detected in: HeLa whole cell lysate All lanes: NAT10 antibody at 7 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 116, 108 kDa Observed band size: 116 kDa

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7168283.