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# NAT5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16414b

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | P61599 |
| **Other Accession** | Q7ZXR3, P61600, Q2PFM2, Q58ED9, NP_852669.1, NP_852668.1, NP_057184.1 |
| **Reactivity** | Human |
| **Predicted** | Zebrafish, Monkey, Mouse, Xenopus |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB35811 |
| **Calculated MW** | 20368 |
| **Antigen Region** | 127-155 |

## Additional Information

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| **Gene ID** | 51126 |
| **Other Names** | N-alpha-acetyltransferase 20, Methionine N-acetyltransferase, N-acetyltransferase 5, N-terminal acetyltransferase B complex catalytic subunit NAA20, N-terminal acetyltransferase B complex catalytic subunit NAT5, NatB complex subunit NAT5, NatB catalytic subunit, NAA20, NAT5 |
| **Target/Specificity** | This NAT5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 127-155 amino acids from the C-terminal region of human NAT5. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | NAT5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | NAA20 |

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| **Synonyms** | NAT5 |
| **Function** | Catalytic subunit of the NatB complex which catalyzes acetylation of the N-terminal methionine residues of peptides beginning with Met-Asp, Met-Glu, Met-Asn and Met-Gln (PubMed:34230638). Proteins with cell cycle functions are overrepresented in the pool of NatB substrates. Required for maintaining the structure and function of actomyosin fibers and for proper cellular migration. |
| **Cellular Location** | Cytoplasm. Nucleus |

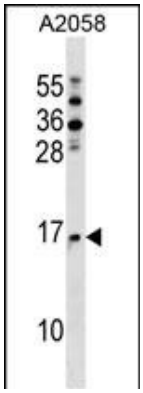
## Background

NAT5 is a component of N-acetyltransferase complex B (NatB). Human NatB performs cotranslational N(alpha)-terminal acetylation of methionine residues when they are followed by asparagine (Starheim et al., 2008 [PubMed 18570629]).[supplied by OMIM].

## References

Kuo, H.P., et al. Sci Signal 3 (108), RA9 (2010) :
Evjenth, R., et al. J. Biol. Chem. 284(45):31122-31129(2009)
Polevoda, B., et al. BMC Proc 3 SUPPL 6, S2 (2009) :
Starheim, K.K., et al. Biochem. J. 415(2):325-331(2008)
Sanchez-Puig, N., et al. Protein Sci. 15(8):1968-1976(2006)

## Images




NAT5 Antibody (C-term) (Cat. #AP16414b) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the NAT5 antibody detected the NAT5 protein (arrow).