

NAT12 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11188b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q147X3
Other Accession	Q0IHH1 , Q8CES0 , NP_001011713.2
Reactivity	Human, Mouse
Predicted	Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29018
Calculated MW	39320
Antigen Region	315-343

Additional Information

Gene ID	122830
Other Names	N-alpha-acetyltransferase 30, N-acetyltransferase 12, N-acetyltransferase MAK3 homolog, NatC catalytic subunit, NAA30, C14orf35, MAK3, NAT12
Target/Specificity	This NAT12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 315-343 amino acids from the C-terminal region of human NAT12.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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	NAT12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NAA30
Synonyms	C14orf35, MAK3, NAT12

Function

Catalytic subunit of the N-terminal acetyltransferase C (NatC) complex (PubMed:[19398576](#), PubMed:[37891180](#)). Catalyzes acetylation of the N-terminal methionine residues of peptides beginning with Met-Leu-Ala and Met-Leu-Gly (PubMed:[19398576](#), PubMed:[37891180](#)). N- terminal acetylation protects proteins from ubiquitination and degradation by the N-end rule pathway (PubMed:[37891180](#)). Necessary for the lysosomal localization and function of ARL8B suggesting that ARL8B is a NatC substrate (PubMed:[19398576](#)).

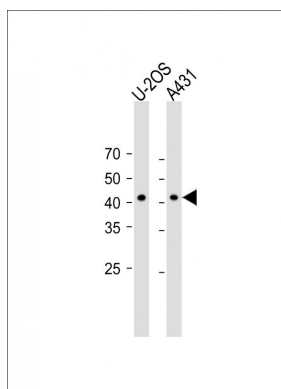
Cellular Location

Cytoplasm. Nucleus

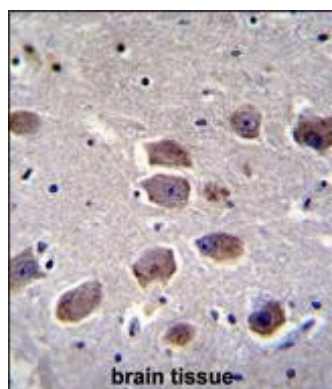
References

Polevoda, B., et al. BMC Proc 3 SUPPL 6, S2 (2009) :

Images



All lanes: Anti-NAT12 Antibody (C-term) at 1:250 dilution
Lane 1: U-2OS whole cell lysate Lane 2: A431 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 43 KDa
Blocking/Dilution buffer: 5% NFDm/TBST.



NAT12 Antibody (C-term) (Cat. #AP11188b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of NAT12 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.