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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, Rat, Bovine, Canine, Rabbit, Chicken
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

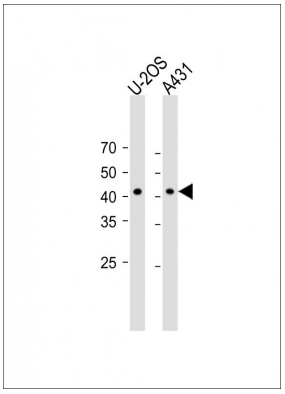
Name	NAA30
Synonyms	C14orf35, MAK3, NAT12

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 sugeesting that ARL8B is a NatC substrate (PubMed:19398576).
Cellular Location	Cytoplasm. Nucleus

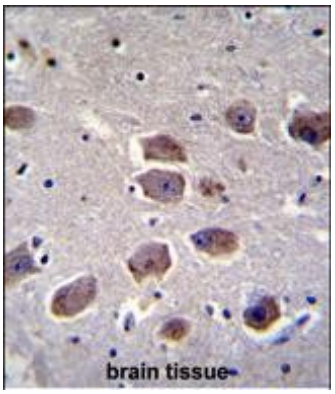
References

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'.