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MAK3/C14orf35 Rabbit pAb

Catalog # AP99297

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q147X3
Other Accession	Q147X3
Reactivity	Human
Predicted	Rat, Pig, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39320
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MAK3/C14orf35
Epitope Specificity	251-350/362
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the acetyltransferase family. MAK3 subfamily. Contains 1 N-acetyltransferase domain.
SUBUNIT	Component of the N-terminal acetyltransferase C (NatC) complex, which is composed of NAA35, NAA38 and NAA30.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	MAK3 belongs to the acetyltransferase family, MAK3 subfamily. It contains one N-acetyltransferase domain. It is a probable N-acetyltransferase.

Additional Information

Gene ID	122830
Other Names	C14orf35; MAK3; Mak3p; NAT12; NAT12P; 4930487N19Rik; 5730533P17Rik; Nat13; NAA30_HUMAN; NAA30; N-acetyltransferase 12; N-acetyltransferase MAK3 homolog; NatC catalytic subunit; 2.3.1.256; NAA30_MOUSE; N-alpha-acetyltransferase 30, NatC catalytic subunit; chromosome 14 open reading frame 35; N-acetyltransferase 12 (GCN5-related, putative); N(alpha)-acetyltransferase 30, NatC catalytic subunit
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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