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NOP10 Recombinant Rabbit mAb

Catalog # AP100050

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9NPE3
Other Accession	Q9NPE3
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	7706
Physical State	Liquid
Immunogen	A synthesized peptide derived from human NOP10
Epitope Specificity	10-64
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Required for ribosome biogenesis and telomere maintenance. Part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA

Additional Information

Gene ID	55505
Other Names	NOP10_HUMAN; NOP10; Nucleolar protein 10; Nucleolar protein family A member 3; snoRNP protein NOP10; NOLA3; CHINE2; DKCB1; NOP10P; PFBMFT9; NOP10 ribonucleoprotein; nucleolar protein family A, member 3 (H/ACA small nucleolar RNPs); NOP10 ribonucleoprotein homolog (yeast); homolog of yeast Nop10p
Dilution	WB=1:500-2000,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	NOP10
Synonyms	NOLA3

Function	Required for ribosome biogenesis and telomere maintenance. Part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA (PubMed:32554502). This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1. Each rRNA can contain up to 100 pseudouridine ('psi') residues, which may serve to stabilize the conformation of rRNAs. May also be required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme.
Cellular Location	Nucleus, nucleolus. Nucleus, Cajal body. Note=Also localized to Cajal bodies (coiled bodies)

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