

NOP10 Antibody

Rabbit mAb Catalog # AP92765

Product Information

ApplicationWB, IHCPrimary AccessionQ9NPE3ReactivityHumanClonalityMonoclonal

Other Names DKCB1; NOLA3; NOP10; NOP10P;

IsotypeRabbit IgGHostRabbitCalculated MW7706

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human NOP10

DescriptionRequired for ribosome biogenesis and telomere maintenance. Part of the

H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which

catalyzes pseudouridylation of rRNA.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name NOP10

Synonyms NOLA3

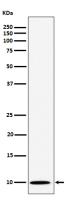
Function Required for ribosome biogenesis and telomere maintenance. Part of the

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)

Images



Western blot analysis of NOP10 expression in Jurkat cell lysate.

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