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DKC1 Antibody

Rabbit mAb
Catalog # AP91692

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	O60832
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	DKC1; DKC; CBF5; DKCX; NAP57; NOLA4; XAP101;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	57674

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human DKC1
Description	Required for ribosome biogenesis and telomere maintenance. Probable catalytic subunit of H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA. This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1.
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.

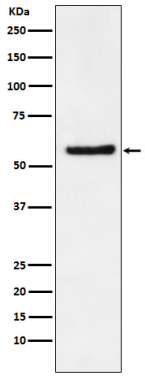
Protein Information

Name	DKC1 (HGNC:2890)
Synonyms	NOLA4
Function	[Isoform 1]: Catalytic subunit of H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA (PubMed:25219674, PubMed:32554502). This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1 (PubMed:25219674). Each rRNA can contain up to 100 pseudouridine ('psi') residues, which may serve to stabilize the conformation of rRNAs. Required for ribosome biogenesis and telomere maintenance (PubMed:19179534, PubMed:25219674). Also required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme (PubMed:19179534).
Cellular Location	[Isoform 1]: Nucleus, nucleolus. Nucleus, Cajal body

{ECO:0000250|UniProtKB:P40615}

Tissue Location Ubiquitously expressed.

Images



Western blot analysis of DKC1 expression in SW480 cell lysate.

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