

DKC1 Rabbit mAb

Catalog # AP75361

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	O60832
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	57674

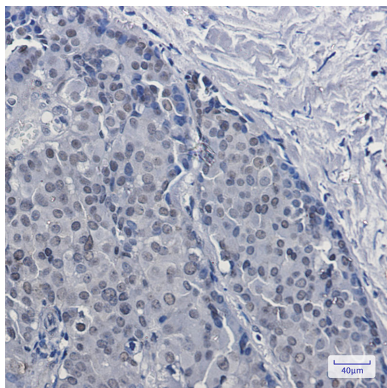
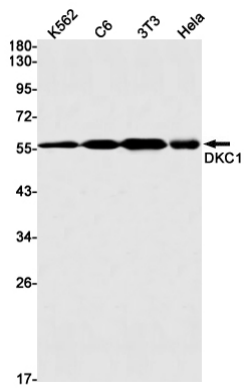
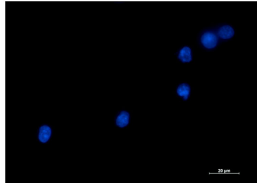
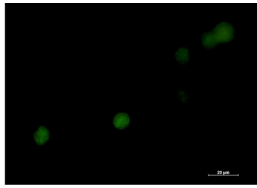
Additional Information

Gene ID	1736
Other Names	DKC1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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



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