

**DKC1 Antibody**  
Rabbit mAb  
Catalog # AP91692

## Specification

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### DKC1 Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	<a href="#">O60832</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
DKC1; DKC; CBF5; DKCX; NAP57; NOLA4; XAP101;	

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	57674 Da

### DKC1 Antibody - Additional Information

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.

### DKC1 Antibody - 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](http://www.uniprot.org/citations/25219674), PubMed: [32554502](http://www.uniprot.org/citations/32554502)). This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the

normal N1 (PubMed: [25219674](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/19179534), PubMed: [25219674](http://www.uniprot.org/citations/25219674)). Also required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme (PubMed: [19179534](http://www.uniprot.org/citations/19179534)).

#### Cellular Location

[Isoform 1]: Nucleus, nucleolus. Nucleus, Cajal body {ECO:0000250|UniProtKB:P40615}

#### Tissue Location

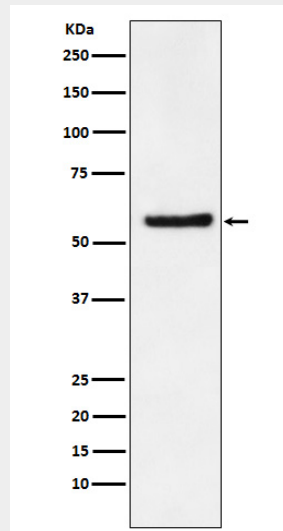
Ubiquitously expressed.

### DKC1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### DKC1 Antibody - Images



Western blot analysis of DKC1 expression in SW480 cell lysate.