

DKC1 / Dyskerin Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12209**Specification**

DKC1 / Dyskerin Antibody (Internal) - Product Information

Application	IHC-P, E
Primary Accession	O60832
Reactivity	Human, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	58kDa KDa
Dilution	IHC-P~~N/A E~~N/A

DKC1 / Dyskerin Antibody (Internal) - Additional Information**Gene ID** 1736**Other Names**

H/ACA ribonucleoprotein complex subunit 4, 5.4.99.-, CBF5 homolog, Dyskerin, Nopp140-associated protein of 57 kDa, Nucleolar protein NAP57, Nucleolar protein family A member 4, snoRNP protein DKC1, DKC1, NOLA4

Target/Specificity

Human DKC1.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

DKC1 / Dyskerin Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

DKC1 / Dyskerin Antibody (Internal) - 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](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}

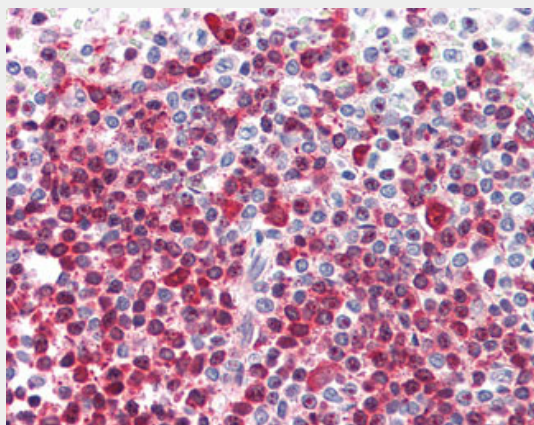
Tissue Location

Ubiquitously expressed.

DKC1 / Dyskerin Antibody (Internal) - 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 / Dyskerin Antibody (Internal) - Images

Anti-DKC1 antibody IHC of human spleen.

DKC1 / Dyskerin Antibody (Internal) - Background

Isoform 1: 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. Each rRNA can contain up to 100 pseudouridine ('psi') residues, which may serve to stabilize the conformation of rRNAs. Also required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme.

DKC1 / Dyskerin Antibody (Internal) - References

Heiss N.S.,et al.Nat. Genet. 19:32-38(1998).
Knight S.W.,et al.Am. J. Hum. Genet. 65:50-58(1999).
Hassock S.,et al.Genomics 55:21-27(1999).
Jiang W.,et al.Submitted (MAY-1996) to the EMBL/GenBank/DDBJ databases.
Angrisani A.,et al.Biochim. Biophys. Acta 1810:1361-1368(2011).