

# Dyskerin Antibody

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP53340

## Product Information

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Application	WB
Primary Accession	<a href="#">O60832</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57674

## Additional Information

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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	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Dyskerin. The exact sequence is proprietary.
Dilution	WB~~ 1:500-1:1000
Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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Name	DKC1 ( <a href="#">HGNC:2890</a> )
Synonyms	NOLA4
Function	[Isoform 1]: Catalytic subunit of H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA (PubMed: <a href="#">25219674</a> , PubMed: <a href="#">32554502</a> ). This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1 (PubMed: <a href="#">25219674</a> ). 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: <a href="#">19179534</a> , PubMed: <a href="#">25219674</a> ). Also required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme (PubMed: <a href="#">19179534</a> ).

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

**Tissue Location** Ubiquitously expressed.

## 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.

## References

Heiss N.S., et al. *Nat. Genet.* 19:32-38(1998).

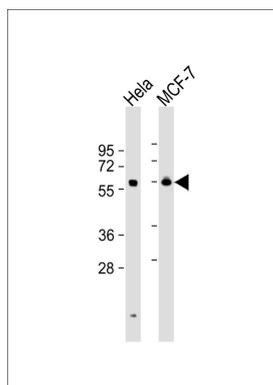
Knight S.W., et al. *Am. J. Hum. Genet.* 65:50-58(1999).

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).

## Images



All lanes : Anti-Dyskerin Antibody at 1:500-1:1000 dilution  
Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

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