

Dyskerin Polyclonal Antibody
Catalog # AP69622**Specification****Dyskerin Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	O60832
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

Dyskerin Polyclonal Antibody - Additional Information

Gene ID 1736

Other Names

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Dyskerin Polyclonal Antibody - Protein InformationName 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).

Cellular Location

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

Tissue Location

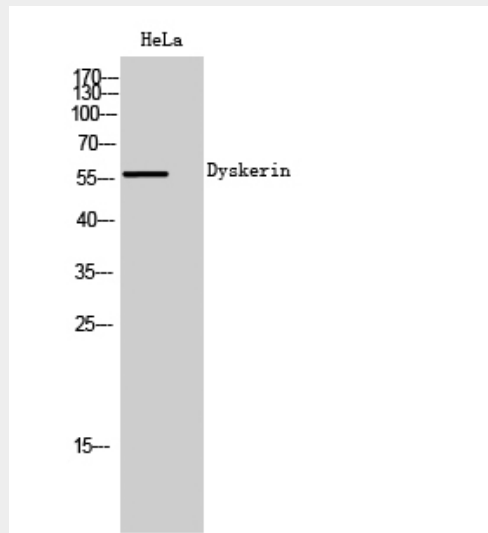
Ubiquitously expressed.

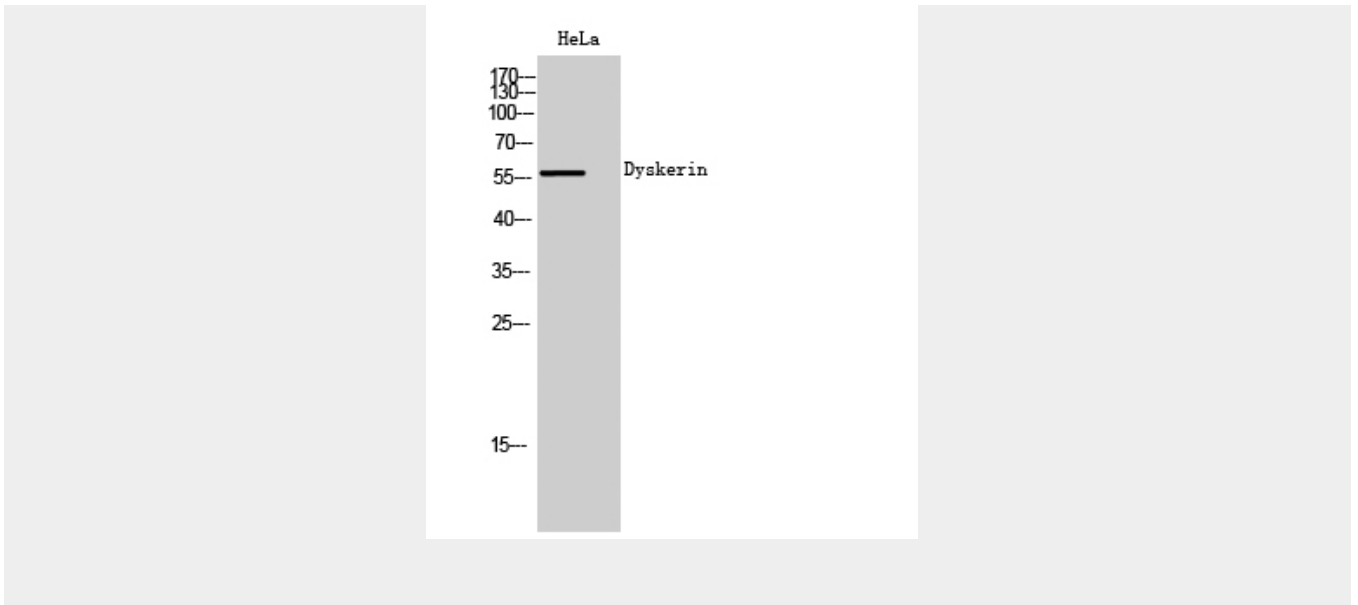
Dyskerin Polyclonal Antibody - Protocols

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](#)

Dyskerin Polyclonal Antibody - Images





Dyskerin Polyclonal Antibody - Background

Isoform 1: Catalytic subunit of H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA (PubMed:25219674). 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).