

# Dyskerin Antibody

Catalog No: #33605

Package Size: #33605-1 50ul #33605-2 100ul

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## Description

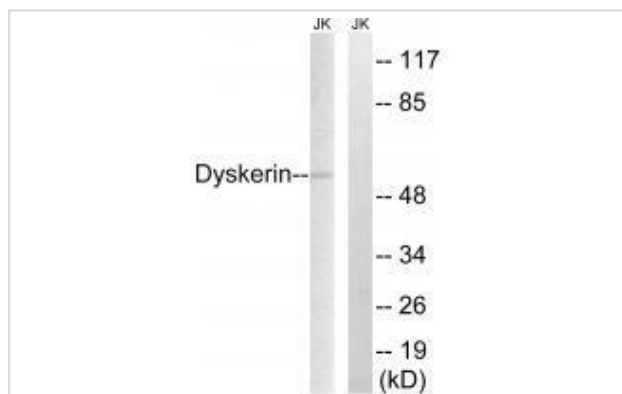
|                       |  |
|-----------------------|--|
| Product Name          | Dyskerin Antibody  |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                              |
| Applications          | WB IF  |
| Species Reactivity    | Human;Mouse;Rat  |
| Specificity           | The antibody detects endogenous levels of total Dyskerin protein.  |
| Immunogen Type        | Peptide  |
| Immunogen Description | Synthesized peptide derived from Internal of human Dyskerin.   |
| Conjugates            | Unconjugated   |
| Target Name           | Dyskerin   |
| Other Names           | CBF5 homolog; DKC1; EC 5.4.99.-; Nucleolar protein NAP57;  |
| Accession No.         | Swiss-Prot: O60832NCBI Gene ID: 1736   |
| SDS-PAGE MW           | 57kd   |
| Concentration         | 1.0mg/ml   |
| Formulation           | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at -20°C   |

## Application Details

Western blotting: 1:500~1:3000

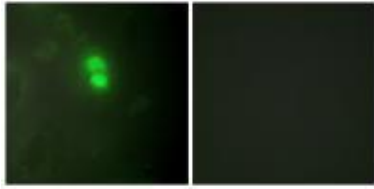
Immunofluorescence: 1:100~1:500

## Images



Western blot analysis of extracts from HeLa cells, using Dyskerin antibody #33605.

Immunofluorescence analysis of HeLa cells, using Dyskerin antibody #33605.



## 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. Isoform 3: Promotes cell to cell and cell to substratum adhesion, increases the cell proliferation rate and leads to cytokeratin hyper-expression (when overexpressed in HeLa cells).

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

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

Hassock S., Genomics 55:21-27(1999).

## Published Papers

et al., H/ACA snoRNP Gene Family as Diagnostic and Prognostic Biomarkers for Hepatocellular Carcinoma. In Pharmgenomics Pers Med on 2021 Oct 19 by Mi Zhang, Wei Zhao, et al.. PMID:34703278, , (2021)

[PMID:34703278](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.