Product Datasheet

Dyskerin Antibody

Catalog No: #33605

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

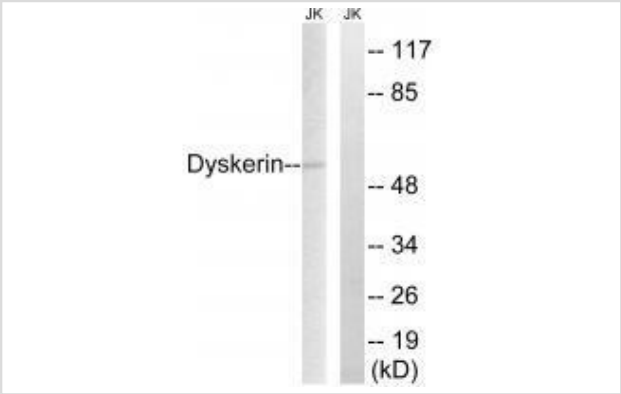
Product Name	Dyskerin Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total Dyskerin protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human Dyskerin.
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 Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

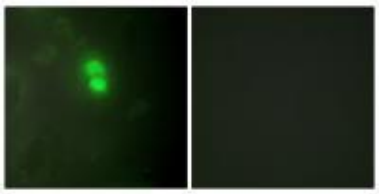
Western blotting: 1:500~1:3000

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

el at., 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.