

## DKC1 Rabbit mAb

Catalog No: #49777

Package Size: #49777-1 50ul #49777-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

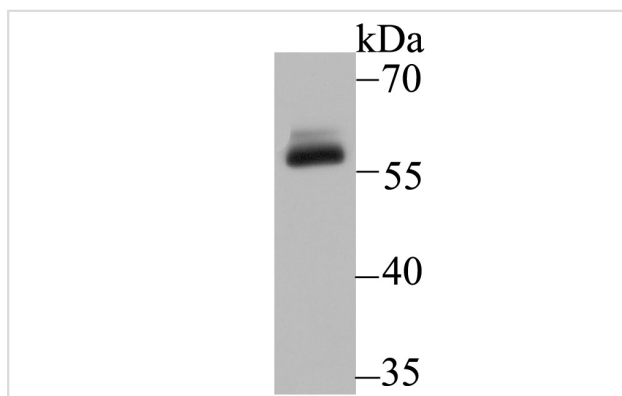
## Description

Product Name	DKC1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU34-32
Purification	ProA affinity purified
Applications	WB, ICC, IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	CBF5 antibody CBF5 homolog antibody Cbf5p homolog antibody DKC 1 antibody DKC antibody Dkc1 antibody DKC1_HUMAN antibody DKCX antibody Dyskeratosis congenita 1 antibody Dyskeratosis congenita 1 dyskerin antibody Dyskerin antibody H/ACA ribonucleoprotein complex subunit 4 antibody NAP 57 antibody NAP57 antibody NOLA 4 antibody NOLA4 antibody Nopp140 associated protein of 57 kDa antibody Nopp140-associated protein of 57 kDa antibody Nucleolar protein family A member 4 antibody Nucleolar protein NAP57 antibody snoRNP protein DKC1 antibody XAP 101 antibody XAP101 antibody
Accession No.	Swiss-Prot#:O60832
Uniprot	O60832
GeneID	1736;
Calculated MW	57 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

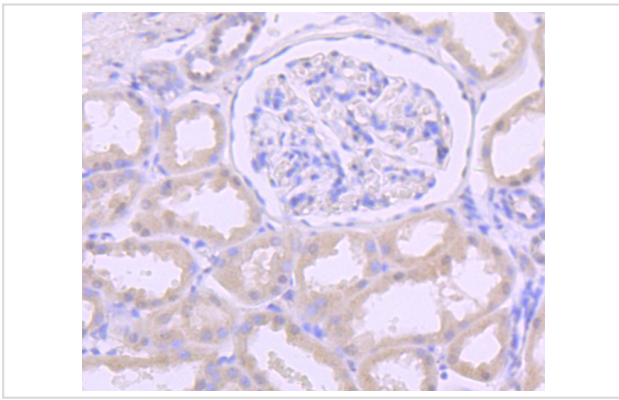
## Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:100 ICC: 1:50-1:200

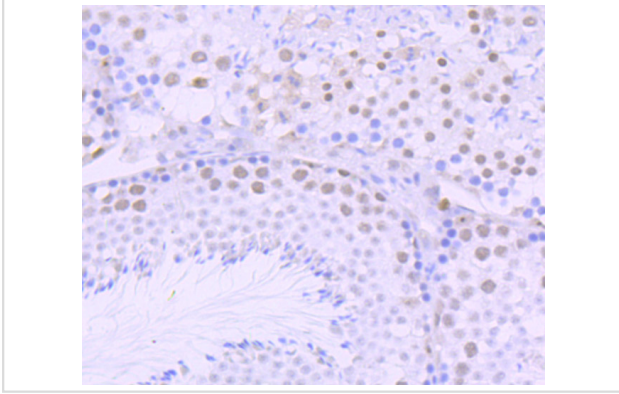
## Images



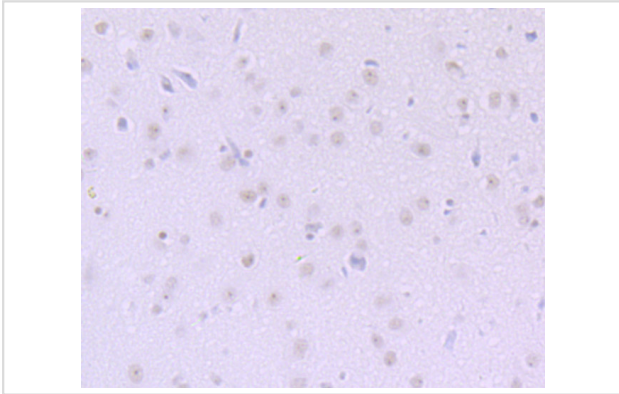
Western blot analysis of DKC1 on A431 cell lysate using anti-DKC1 antibody at 1/500 dilution.



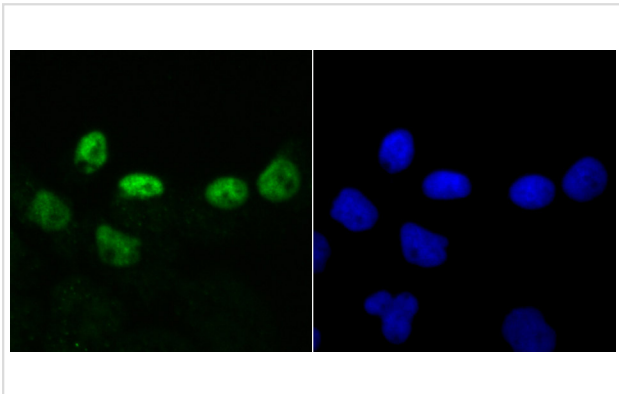
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-DKC1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-DKC1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-DKC1 antibody. Counter stained with hematoxylin.



ICC staining DKC1 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## 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).

## References

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Note: This product is for in vitro research use only