

## ARG45523 anti-DKC1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes DKC1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DKC1
Species	Human
Immunogen	Recombinant protein containing to human DKC1.
Conjugation	Un-conjugated
Alternate Names	DKC1; Dyskerin Pseudouridine Synthase 1; NOLA4; Dyskerin; XAP101; NAP57; Cbf5; H/ACA Ribonucleoprotein Complex Subunit DKC1; H/ACA Ribonucleoprotein Complex Subunit 4; Nopp140-Associated Protein Of 57 KDa; Nucleolar Protein Family A Member 4; Dyskeratosis Congenita 1, Dyskerin; Nucleolar Protein NAP57; SnoRNP Protein DKC1; CBF5 Homolog; DKC; EC 5.4.99.-; EC 5.4.99; CHINE1; DKCX

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	58 kDa	

### Properties

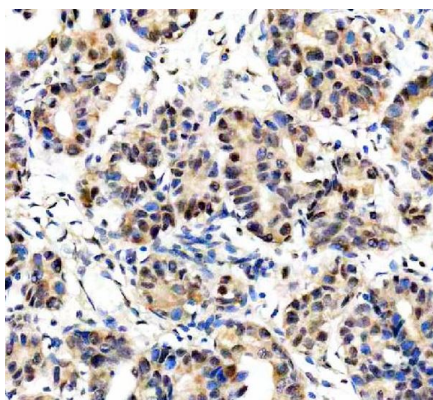
Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

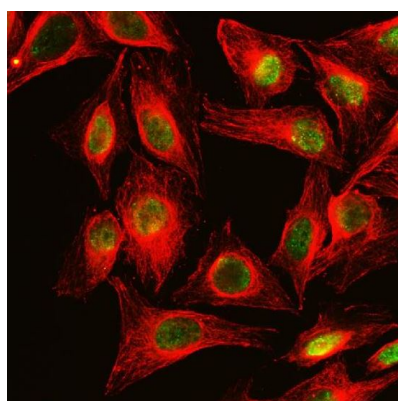
Gene Symbol	DKC1
Gene Full Name	Dyskerin Pseudouridine Synthase 1
Background	This gene functions in two distinct complexes. It plays an active role in telomerase stabilization and maintenance, as well as recognition of snoRNAs containing H/ACA sequences which provides stability during biogenesis and assembly into H/ACA small nucleolar RNA ribonucleoproteins (snoRNPs). This gene is highly conserved and widely expressed, and may play additional roles in nucleo-cytoplasmic shuttling, DNA damage response, and cell adhesion. Mutations have been associated with X-linked dyskeratosis congenita. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Function	[Isoform 1]: 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. [UniProt]
Calculated Mw	58 kDa
PTM	Acetylation; Isopeptide bond; Phosphoprotein; Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm; Nucleus. [UniProt]

## Images



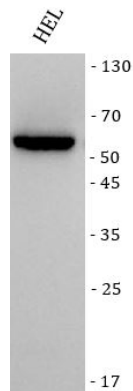
ARG45523 anti-DKC1 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG45523 anti-DKC1 antibody at 2 µg/ml dilution.



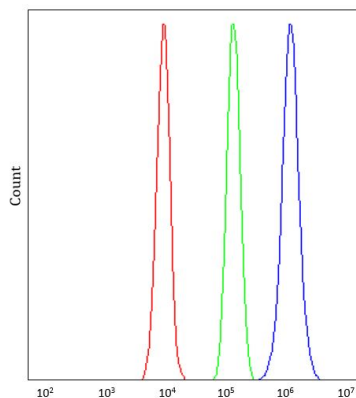
ARG45523 anti-DKC1 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45523 anti-DKC1 antibody at 5 µg/ml dilution.



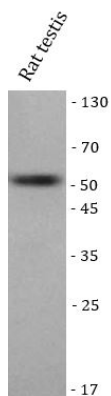
ARG45523 anti-DKC1 antibody WB image

Western blot: HEL stained with ARG45523 anti-DKC1 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



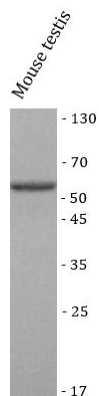
ARG45523 anti-DKC1 antibody FACS image

Flow Cytometry: A431 stained with ARG45523 anti-DKC1 antibody at 1  $\mu\text{g}/10^6$  cells dilution.



ARG45523 anti-DKC1 antibody WB image

Western blot: Rat testis stained with ARG45523 anti-DKC1 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.



ARG45523 anti-DKC1 antibody WB image

Western blot: Mouse testis stained with ARG45523 anti-DKC1 antibody at 0.5  $\mu\text{g}/\text{ml}$  dilution.