

Datasheet for ABIN6257130  
**anti-DKC1 antibody (Internal Region)**

## 2 Images

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## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | DKC1   |
| Binding Specificity: | Internal Region  |
| Reactivity:          | Human, Mouse, Rat  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This DKC1 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC) |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | A synthesized peptide derived from human DKC1, corresponding to a region within the internal amino acids.                 |
| Isotype:              | IgG   |
| Specificity:          | DKC1 Antibody detects endogenous levels of total DKC1.  |
| Predicted Reactivity: | Pig,Zebrafish,Bovine,Horse,Sheep,Rabbit,Dog,Chicken   |
| Purification:         | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

## Target Details

|         |      |
|---------|------|
| Target: | DKC1 |
|---------|------|

## Target Details

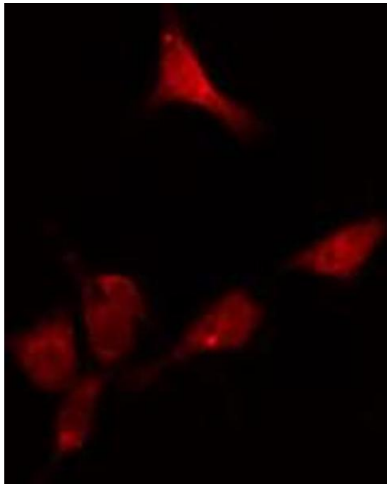
|                   |  |
|-------------------|--|
| Alternative Name: | DKC1 ( <a href="#">DKC1 Products</a> )   |
| Background:       | <p>Description: Isoform 1: Required for ribosome biogenesis and telomere maintenance. Probable catalytic subunit of H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) 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.</p> <p>Also required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme.</p> <p>Gene: DKC1</p> |
| Molecular Weight: | 57 kDa   |
| Gene ID:          | 1736   |
| UniProt:          | <a href="#">O60832</a>   |
| Pathways:         | <a href="#">Telomere Maintenance</a>   |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions:      | For Research Use only   |

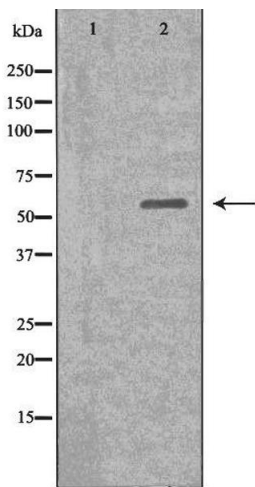
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 mg/mL  |
| Buffer:            | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.                  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20 °C. Stable for 12 months from date of receipt.  |
| Expiry Date:       | 12 months  |



**Immunofluorescence (fixed cells)**

**Image 1.** ABIN6274116 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody.



**Western Blotting**

**Image 2.** Western blot analysis of extracts from HeLa cells, using Dyskerin antibody.