


### Anti-DKC1/Dyskerin antibody ab93777

★★★★★ [1 Abreviews](#) [3 References](#) [画像数 2](#)

#### 製品の概要

製品名	Anti-DKC1/Dyskerin antibody
製品の詳細	Rabbit polyclonal to DKC1/Dyskerin
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat, Sheep, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Drosophila melanogaster, Zebrafish, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis 
免疫原	Synthetic peptide corresponding to Human DKC1/Dyskerin aa 340-390. Database link: <a href="#">NP_001354.1</a>
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

#### アプリケーション

## The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab93777の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (1)	1/2000 - 1/10000. Predicted molecular weight: 58 kDa.
IP		Use at 5-15 µg/mg of lysate.

## ターゲット情報

### 機能

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).

### 組織特異性

Ubiquitously expressed.

### 関連疾患

Defects in DKC1 are a cause of dyskeratosis congenita X-linked recessive (XDKC) [MIM:305000]. XDKC is a rare, progressive bone marrow failure syndrome characterized by the triad of reticulated skin hyperpigmentation, nail dystrophy, and mucosal leukoplakia. Early mortality is often associated with bone marrow failure, infections, fatal pulmonary complications, or malignancy.

Defects in DKC1 are the cause of Hoyeraal-Hreidarsson syndrome (HHS) [MIM:300240]. HHS is a multisystem disorder affecting males and is characterized by aplastic anemia, immunodeficiency, microcephaly, cerebellar hypoplasia, and growth retardation.

### 配列類似性

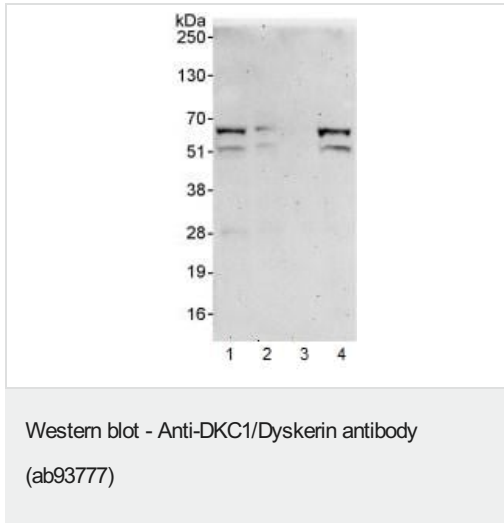
Belongs to the pseudouridine synthase TruB family.

Contains 1 PUA domain.

### 細胞内局在

Cytoplasm and Nucleus > nucleolus. Nucleus > Cajal body. Also localized to Cajal bodies.

## 画像



**All lanes :** Anti-DKC1/Dyskerin antibody (ab93777) at 0.04 µg/ml

**Lane 1 :** HeLa cell lysate at 50 µg

**Lane 2 :** HeLa cell lysate at 15 µg

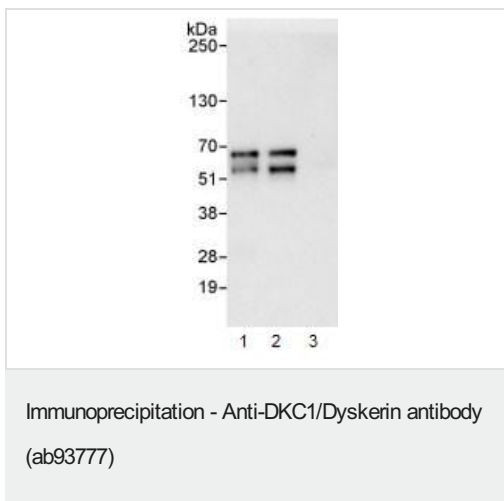
**Lane 3 :** HeLa cell lysate at 5 µg

**Lane 4 :** 293T cell lysate at 50 µg

Developed using the ECL technique.

**Predicted band size:** 58 kDa

**Exposure time:** 3 minutes



Detection of Human DKC1/Dyskerin by Immunoprecipitation in Whole cell lysate from HeLa cells (1 mg for IP, 20% of IP loaded) using ab93777 at 10 µg/mg lysate (LANE 1).

DKC1/Dyskerin was also immunoprecipitated by an antibody which recognizes a downstream epitope (LANE 2). Lane 3 represents IgG Ip control. subsequent WB detection was performed using 1 µg/ml ab93777. Detection: Chemiluminescence with exposure times of 10 seconds.

**All lanes :** Anti-DKC1/Dyskerin antibody (ab93777) at 1 µg/ml

**Lane 1 :** HeLa cell lysate immunoprecipitated with ab 93777 at 10µg/mg lysate.

**Lane 2 :** HeLa cell lysate immunoprecipitated with anti-DKC1/Dyskerinantibody at 10µg/mg lysate.

**Lane 3 :** HeLa cell lysate immunoprecipitated with control IgG at 10µg/mg lysate.

Lysates/proteins at 200 µg per lane.

Developed using the ECL technique.

**Exposure time:** 10 seconds

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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