


Product datasheet

Anti-DKC1/Dyskerin antibody [EPR10399] ab156877

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [4 References](#) [5 Images](#)

Overview

Product name	Anti-DKC1/Dyskerin antibody [EPR10399]
Description	Rabbit monoclonal [EPR10399] to DKC1/Dyskerin
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human DKC1/Dyskerin aa 350-450. The exact sequence is proprietary. Database link: O60832
Positive control	Recombinant Human DKC1/Dyskerin protein (ab152334) can be used as a positive control in WB. SW480 cell lysate, MCF-7 cell lysate, HeLa cell lysate, paraffin-embedded Human melanoma tissue, paraffin-embedded Human placenta tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant

Clonality	Monoclonal
Clone number	EPR10399
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab156877 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 58 kDa.
ICC/IF		1/100 - 1/250.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or IP.

Target

Function 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).

Tissue specificity Ubiquitously expressed.

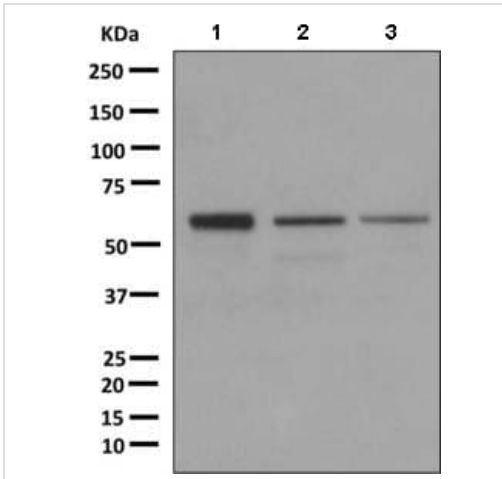
Involvement in disease Defects in DKC1 are a cause of dyskeratosis congenita X-linked recessive (XDKC) [MIM:305000]. XDKC is a rare, progressive bone marrow failure syndrome characterized by the triad of reticulated skin hyperpigmentation, nail dystrophy, and mucosal leukoplakia. Early mortality is often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

Sequence similarities Belongs to the pseudouridine synthase TruB family.
Contains 1 PUA domain.

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

Images



Western blot - Anti-DKC1/Dyskerin antibody [EPR10399] (ab156877)

All lanes : Anti-DKC1/Dyskerin antibody [EPR10399] (ab156877) at 1/1000 dilution

Lane 1 : SW480 cell lysate

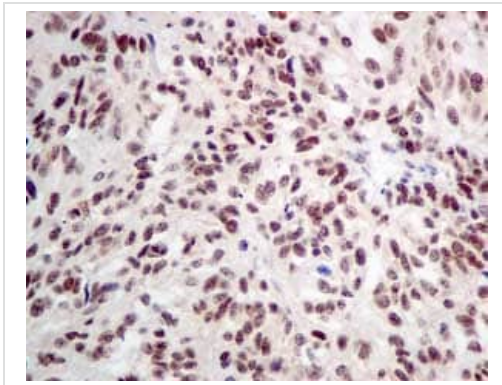
Lane 2 : HeLa cell lysate

Lane 3 : MCF-7 cell lysate

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

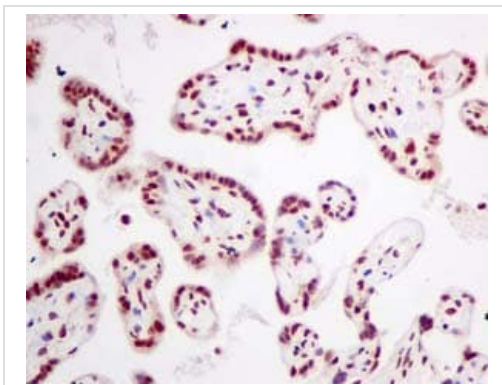
Predicted band size: 58 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DKC1/Dyskerin antibody [EPR10399] (ab156877)

Immunohistochemical analysis of paraffin embedded Human melanoma tissue labeling DKC1/Dyskerin with ab156877 antibody at a dilution of 1/50.

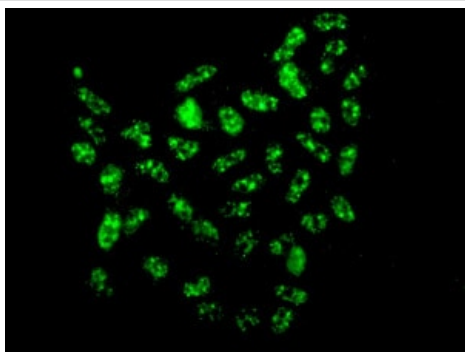
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DKC1/Dyskerin antibody [EPR10399] (ab156877)

Immunohistochemical analysis of paraffin embedded Human placenta tissue labeling DKC1/Dyskerin with ab156877 antibody at a dilution of 1/50.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunofluorescence analysis of HeLa cells labeling
DKC1/Dyskerin with ab156877 antibody at a dilution of 1/100.

Immunocytochemistry/ Immunofluorescence - Anti-DKC1/Dyskerin antibody [EPR10399] (ab156877)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-DKC1/Dyskerin antibody [EPR10399]
(ab156877)

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

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