

Datasheet for ABIN1714148
anti-DKC1 antibody (AA 81-190)



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Overview

Quantity:	100 µL
Target:	DKC1
Binding Specificity:	AA 81-190
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DKC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Dyskerin
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DKC1
Alternative Name:	Dyskerin (DKC1 Products)

Target Details

Background: Synonyms: CBF5, CBF5 homolog, Cbf5p homolog, DKC 1, DKC, Dkc1, DKC1_HUMAN, DKCX, Dyskeratosis congenita 1, Dyskeratosis congenita 1 dyskerin, Dyskerin, H/ACA ribonucleoprotein complex subunit 4, NAP 57, NAP57, NAP-57, NOLA 4, NOLA4, Nopp140 associated protein of 57 kDa, Nopp140-associated protein of 57 kDa, Nucleolar protein family A member 4, Nucleolar protein NAP57, snoRNP protein DKC1, XAP 101, XAP101.

Background: Dyskerin (NAP57) associates with the chaperone protein Nopp140 and forms a small ribonucleoprotein particle with GAR1 (NOLA1), NHP2 (NOLA2) and Nop10 for the isomerization of uridine to pseudouridine (1). GAR1, NHP2 and dyskerin localize to the dense fibrillar component of the nucleolus and in nuclear Cajal bodies (2). The dyskerin gene maps to chromosome Xq28 (3). Missense mutations in the dyskerin gene interfere with normal nuclear localization of dyskerin and cause Dyskeratosis congenita (DKC) (4). DKC is a rare, X-linked bone marrow disorder characterized by cutaneous hyperpigmentation, dystrophy of the nails, atrophy of the testicles and leukoplakia of the oral mucosa. The GAR1 gene maps to chromosome 4q25 (5,6). The NHP2 gene maps to chromosome 5q35.3 and encodes a 155-amino acid protein (2,7).

Gene ID: 1736

Pathways: [Telomere Maintenance](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200
ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months