

Rabbit anti-Human, mouse DKC1 Polyclonal Antibody | anti-DKC1 antibody

DKC1 Antibody (Center)

CATALOG # AAA285305	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, ELISA, Western Blot
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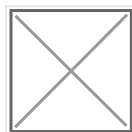
PRODUCT SYNONYMS

DKC1; Polyclonal Antibody; DKC1 Antibody (Center); H/ACA ribonucleoprotein complex subunit 4; 5499-; CBF5 homolog; Dyskerin; Nopp140-associated protein of 57 kDa; Nucleolar protein NAP57; Nucleolar protein family A member 4; snoRNP protein DKC1; NOLA4; anti-DKC1 antibody

PRODUCT SPECIFICATIONS

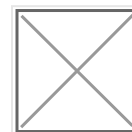
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DKC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 185-213 amino acids from the Central region of human DKC1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	185-213
Sequence Length	420
Applicable Applications for anti-DKC1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of DKC1 Antibody (Center) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

DKC1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DKC1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

DKC1 Antibody (Center) western blot analysis in mouse testis tissue lysates (35ug/lane). This demonstrates the DKC1 antibody detected DKC1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-DKC1 antibody	DKC1 is a member of the H/ACA snoRNPs (small nucleolar ribonucleoproteins) gene family. snoRNPs are involved in various aspects of rRNA processing and modification and have been classified into two families: C/D and H/ACA. The H/ACA snoRNPs also include the NOLA1, 2 and 3 proteins. The protein encoded by this gene and the three NOLA proteins localize to the dense fibrillar components of nucleoli and to coiled (Cajal) bodies in the nucleus. Both 18S rRNA production and rRNA pseudouridylation are impaired if any one of the four proteins is depleted. These four H/ACA snoRNP proteins are also components of the telomerase complex. The protein encoded by this gene is related to the <i>Saccharomyces cerevisiae</i> Cbf5p and <i>Drosophila melanogaster</i> Nop60B proteins. The gene lies in a tail-to-tail orientation with the palmitoylated erythrocyte membrane protein gene and is transcribed in a telomere to centromere direction. Both nucleotide substitutions and single trinucleotide repeat polymorphisms have been found in this gene. Mutations in this gene cause X-linked dyskeratosis congenita, a disease resulting in reticulate skin pigmentation, mucosal leukoplakia, nail dystrophy, and progressive bone marrow failure in most cases.
References	Rostamiani, K., et al. Blood Cells Mol. Dis. 44 (2), 88 (2010) : Grozdanov, P.N., et al. Hum. Mol. Genet. 18(23):4546-4551(2009) Ashbridge, B., et al. Biochemistry 48(46):10858-10865(2009) Sieron, P., et al. Br. J. Cancer 101(8):1410-1416(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503337
NCBI GeneID	1736
NCBI Accession #	NP_001354.1
NCBI GenBank Nucleotide #	NM_001363.4
UniProt Accession #	O60832; O43845; Q96G67; Q9Y505; F5BSB3
Molecular Weight	57674
NCBI Official Full Name	H/ACA ribonucleoprotein complex subunit 4 isoform 1
NCBI Official Synonym Full Names	dyskeratosis congenita 1, dyskerin
NCBI Official Symbol	DKC1
NCBI Official Synonym Symbols	DKC; CBF5; DKCX; NAP57; NOLA4; XAP101
NCBI Protein Information	H/ACA ribonucleoprotein complex subunit 4
UniProt Protein Name	H/ACA ribonucleoprotein complex subunit 4
UniProt Gene Name	DKC1
UniProt Synonym Gene Names	NOLA4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dkc1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/285305>