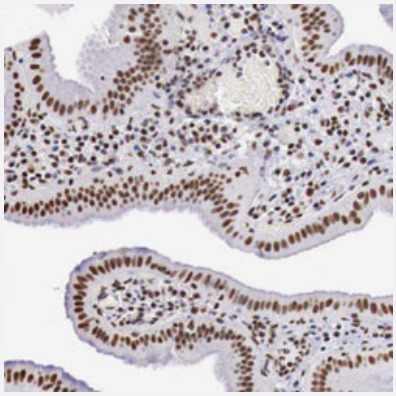
DKC1 polyclonal antibody

Catalog # PAB31503 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human gall bladder with DKC1 polyclonal antibody (Cat # PAB31503) shows distinct nuclear positivity in glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human DKC1.
Immunogen	Recombinant protein corresponding to human DKC1.
Sequence	KERKSLPEEDVAEIQHAEEFLIKPESKVAKLDTSQWPLLLKNFDKLNVRTTHYTPLACGSNPLKRE IGDYIRTGFINLDKPSNPSSHEVVAWIRRILRVEKTGHSGTL
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — DKC1

Entrez GeneID	1736
Protein Accession#	O60832
Gene Name	DKC1
Gene Alias	CBF5, DKC, FLJ97620, NAP57, NOLA4, XAP101
Gene Description	dyskeratosis congenita 1, dyskerin
Omim ID	300126 300240 305000
Gene Ontology	Hyperlink
Gene Summary	This gene 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 cl assified 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 fi brillar components of nucleoli and to coiled (Cajal) bodies in the nucleus. Both 18S rRNA producti on and rRNA pseudouridylation are impaired if any one of the four proteins is depleted. These fou r H/ACA snoRNP proteins are also components of the telomerase complex. The protein encoded by this gene is related to the Saccharomyces cerevisiae Cbf5p and Drosophila melanogaster No p60B proteins. The gene lies in a tail-to-tail orientation with the palmitoylated erythrocyte membra ne protein gene and is transcribed in a telomere to centromere direction. Both nucleotide substitut ions 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. Mutatio ns in this gene also cause Hoyeraal-Hreidarsson syndrome, which is a more severe form of dyske ratosis congenita. Two transcript variants encoding different isoforms have been found for this ge ne. [provided by RefSeq

Other Designations	H/ACA ribonucleoprotein complex subunit 4|OTTHUMP00000026046|cbf5p homolog|dyskerin|no pp140-associated protein of 57 kDa|nucleolar protein family A member 4|snoRNP protein DKC1

Publication Reference

- snoRNPs Regulate Telomerase Activity in Neuroblastoma and Are Associated with Poor Prognosis.

  von Stedingk K, Koster J, Piqueras M, Noguera R, Navarro S, Pahlman S, Versteeg R, Ora I, Gisselsson D, Lindgren D, Axelson H.

  Translational Oncology 2013 Aug; 6(4):447.

  Application: IHC-P, WB-Tr, Human, Human neuroblastoma, Human tissue microarray, SK-N-BE(2)C cells, SK-N-SH cells

Disease

- Anemia