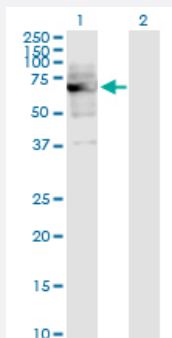


DKC1 monoclonal antibody (M04), clone 3E10

Catalog # H00001736-M04

Size 100 ug

Applications

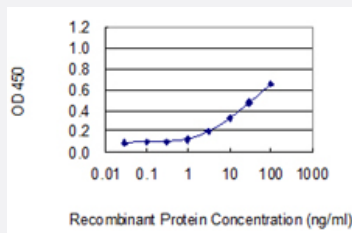


Western Blot (Transfected lysate)

Western Blot analysis of DKC1 expression in transfected 293T cell line by DKC1 monoclonal antibody (M04), clone 3E10.

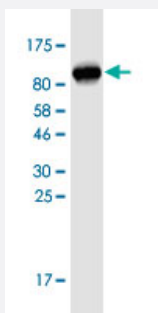
Lane 1: DKC1 transfected lysate (Predicted MW: 57.7 kDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DKC1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (84.1 kDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant DKC1.

Immunogen	DKC1 (NP_001354.1, 1 a.a. ~ 514 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MADAEVILPKKHKKKKKERKSLPEEDVAEIQHAEEFLIKPESKVAKLDTSQWPLLLLKNFDKLNVRT THYTPLACGSNPLKREIGDYIRTGFINLDKPSNPSSHEVVAWIRRLRVEKTGHSGTLDPKVTGCLM CIERATRLVKSQQSAGKEYVGVRLHNAIEGGTQLSRALETLTGALFQRPPLIAAVKRQLRVRTIYES KMIEYDPERRLGIFWVSCEAGTYIRTL CVHLG LLLGVGGQMQLRRVRSGVMSEKDHMVTMHDVL DAQWLYDNHKDESYLRRVVYPLEKLLTSHKRLVMKDSAVNAICYGAKIMLPGLRYEDGIEVNQEI VVITTKGEAICMAIALMTTAVISTCDHGVAKIKRVIMERDTPRKWGLGPKASQKKLMIKQGLLDKH GKPTDSTPATWKQEYVDYSESAKKEVVAEVVKAPQVVAEAAKTAKRKRESESESEDETTPPAAPQ LIKKEKKKSKDKKAKAGLESGAEPGDGSDTTKKKKKKKKAKEVELVSE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (83)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (84.1 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of DKC1 expression in transfected 293T cell line by DKC1 monoclonal antibody (M04), clone 3E10.

Lane 1: DKC1 transfected lysate (Predicted MW: 57.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged DKC1 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — DKC1

Entrez GeneID [1736](#)

GeneBank Accession# [NM_001363.2](#)

Protein Accession# [NP_001354.1](#)

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 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 *Saccharomyces cerevisiae* Cbf5p and *Drosophila melanogaster* Nopp60B 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. Mutations in this gene also cause Hoyer-Hreidarsson syndrome, which is a more severe form of dyskeratosis congenita. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations H/ACA ribonucleoprotein complex subunit 4|OTTHUMP00000026046|cbf5p homolog|dyskerin|nopp140-associated protein of 57 kDa|nucleolar protein family A member 4|snoRNP protein DKC1

Disease

- [Anemia](#)