Human Dyskeratosis Congenita 1 (DKC1) ELISA Kit

Catalog No: #EK10657

Package Size: #EK10657-1 48T #EK10657-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Dyskeratosis Congenita 1 (DKC1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CBF5; DKC; FLJ97620; NAP57; NOLA4; XAP101; H/ACA ribonucleoprotein complex subunit 4|cbf5p homolog|dyskerin|nopp140-associated protein of 57 kDa|nucleolar protein family A member 4|snoRNP protein DK
Accession No.	O60832
Uniprot	O60832
GeneID	1736;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate DKC1 in samples. An antibody specific for DKC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDKC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DKC1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of DKC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Dyskeratosis congenita 1, dyskerin,is a member of the H/ACA snoRNPs (small nucleolar ribonucleoproteins). 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. The protein encoded by this gene is related to the Saccharomyces cerevisiae Cbf5p and Drosophila melanogaster Nop60B proteins. The gene lies in a tail-to-tail orientation with the palmitoylated erythrocyte membrane protein (MPP1) gene and is transcribed in a telomere to centromere direction. Both nucleotide substitutions and single trinucleotide repeat polymorphisms have been found in this gene.

Note: This product is for in vitro research use only