

DNAJC21 Monoclonal antibody

Catalog Number: 68343-1-Ig

Basic Information

Catalog Number:

68343-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG20003

GenBank Accession Number:

BC107577

GeneID (NCBI):

134218

UNIPROT ID:

Q5F1R6

Full Name:

DnaJ (Hsp40) homolog, subfamily C, member 21

Calculated MW:

531 aa, 58 kDa

Observed MW:

70 kDa

Purification Method:

Protein G purification

CloneNo.:

2F8A9

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

IF/ICC, WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells

IF/ICC : U2OS cells,

Background Information

DNAJC21 is a ubiquitously expressed DnaJ (heat shock protein 40) chaperone protein. Recently DNAJC21 was reported to be implicated in rRNA biogenesis. Loss of DNAJC21 induced abnormal cell morphology and inhibited cell growth. Mutations in DNAJC21 cause bone marrow failure syndrome. (27346687)

Storage

Storage:

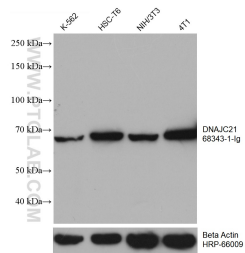
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

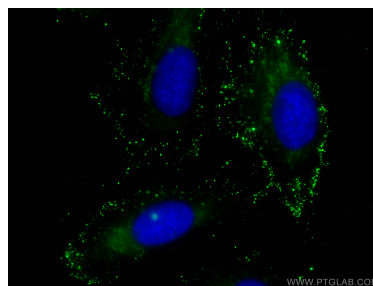
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68343-1-Ig (DNAJC21 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using DNAJC21 antibody (68343-1-Ig, Clone: 2F8A9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).