

DHX37 Monoclonal antibody

Catalog Number: 67853-1-Ig

Basic Information

Catalog Number:

67853-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG29909

GenBank Accession Number:

BC037964

GeneID (NCBI):

57647

UNIPROT ID:

Q8IY37

Full Name:

DEAH (Asp-Glu-Ala-His) box polypeptide 37

Calculated MW:

1157 aa, 130 kDa

Observed MW:

130-140 kDa

Purification Method:

Protein A purification

CloneNo.:

2B12D9

Recommended Dilutions:

WB 1:2000-1:10000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

IF/ICC, WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells

IF/ICC : HeLa cells,

Background Information

DHX37, also known as DDX37, KIAA1517. It is an ATP-bound RNA helicase that plays a role in the maturation of small ribosomal subunits in ribosomal biogenesis (PMID:30582406). The presence of DHX37 in early pre-ribosomal particles was monitored by a quality control pathway, and failure to recruit DHX37 resulted in pre-RRNA degradation. DHX37 binds directly to U3 small nucleolar RNA (snoRNA), and the catalytic activity of the helicase is required for dissociation of U3 small nucleolar RNA from the pre-ribosomal complex. In addition, it plays a role in early testicular development (PMID:31287541, PMID:31337883). It may also have an effect on brain development (PubMed:31256877). It is expressed in the fallopian tubes, ovaries, uterus, testes and brain (PMID: 31256877, PMID: 31337883).

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

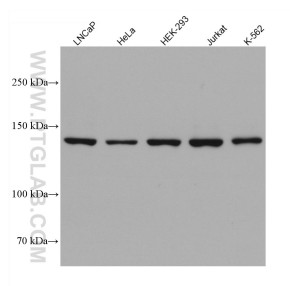
For technical support and original validation data for this product please contact:

T: 4006900926

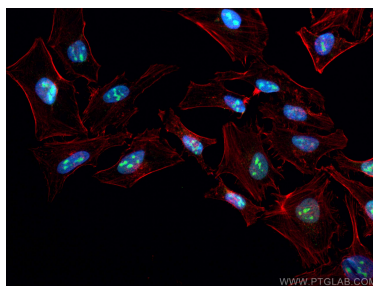
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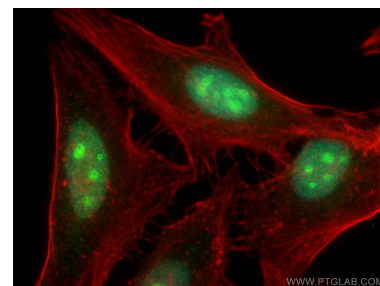
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67853-1-Ig (DHX37 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DHX37 antibody (67853-1-Ig, Clone: 2B12D9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DHX37 antibody (67853-1-Ig, Clone: 2B12D9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).