

DHX37 Monoclonal antibody, PBS Only

Catalog Number: **67853-1-PBS**

Basic Information

Catalog Number:

67853-1-PBS

Size:

1 mg/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

Applications

Tested Applications:

WB, Indirect ELISA, IF

Species Specificity:

Human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**Storage Buffer:**

PBS Only

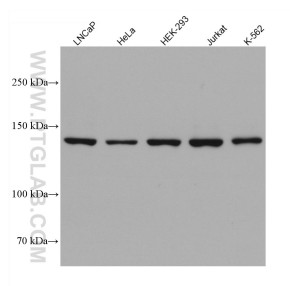
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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. This data was developed using the same antibody clone with 67853-1-PBS in a different storage buffer formulation.

