

DHX37 Monoclonal antibody

Catalog Number: 67853-1-Ig

Basic Information

Catalog Number: 67853-1-Ig	GenBank Accession Number: BC037964	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 57647	CloneNo.: 2B12D9
Source: Mouse	UNIPROT ID: Q8IY37	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:400-1:1600
Isotype: IgG2a	Full Name: DEAH (Asp-Glu-Ala-His) box polypeptide 37	
Immunogen Catalog Number: AG29909	Calculated MW: 1157 aa, 130 kDa	
	Observed MW: 130-140 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human	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

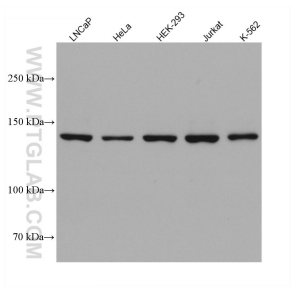
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

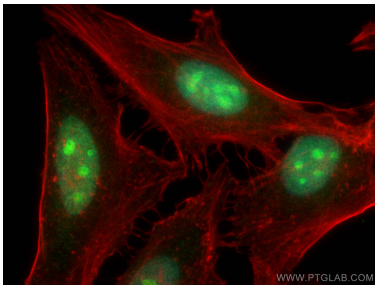
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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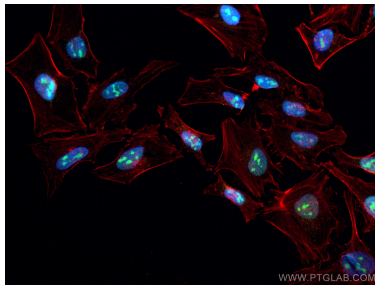
Selected Validation Data



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 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 Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).