

For Research Use Only

DHX37 Polyclonal antibody

Catalog Number: 29741-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 29741-1-AP	GenBank Accession Number: BC037964	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 57647	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	Full Name: DEAH (Asp-Glu-Ala-His) box polypeptide 37	
Isotype: IgG	Calculated MW: 1157 aa, 130 kDa	
Immunogen Catalog Number: AG29909	Observed MW: 130 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, HeLa cells, HepG2 cells
Cited Applications: WB	
Species Specificity: Human	
Cited Species: 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Nanbin Liu	37958405	Cancers (Basel)	WB

Storage

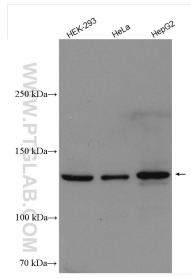
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

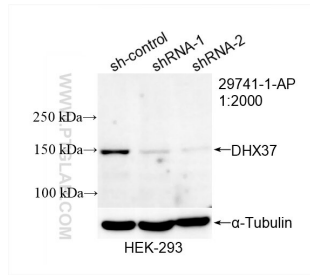
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 29741-1-AP (DHX37 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



WB result of DHX37 antibody (29741-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DHX37 transfected HEK-293 cells.