

DHX9 Polyclonal antibody

Catalog Number: 17721-1-AP

Featured Product

36 Publications

Basic Information

Catalog Number: 17721-1-AP	GenBank Accession Number: BC014246	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 1660	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:400-1:1600
Source: Rabbit	Full Name: DEAH (Asp-Glu-Ala-His) box polypeptide 9	
Isotype: IgG	Calculated MW: 1270 aa, 141 kDa	
Immunogen Catalog Number: AG12104	Observed MW: 140 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

ChIP, CoIP, ELISA, IF, IHC, IP, RIP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, mouse testis tissue, rat spleen tissue, rat testis tissue, Jurkat cells

IHC : mouse brain tissue, mouse testis tissue

IF : HepG2 cells,

Background Information

RNA helicases play important roles in transcription, RNA processing, translation, and RNA replication. DEAD box proteins are putative RNA helicases that have a characteristic Asp-Glu-Ala-Asp (DEAD) box as 1 of 8 highly conserved sequence motifs. DHX9 a member of the DEAH family of proteins, which possess a double-stranded RNA-binding domain (dsRBD) and a helicase domain [PMID:20569003]. It unwinds double-stranded DNA and RNA in a 3' to 5' direction. Alteration of secondary structure of DHX9 may subsequently influence interactions with proteins or other nucleic acids. It is also a component of the CRD-mediated complex that promotes MYC mRNA stability. In addition, it is involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2 [PMID: 19029303, 22190748].

Notable Publications

Author	Pubmed ID	Journal	Application
Feng Shi	34676915	J Clin Lab Anal	WB,IHC
Liang Liu	36377508	CNS Neurosci Ther	WB,IHC
Nila Roy Choudhury	29117863	BMC Biol	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

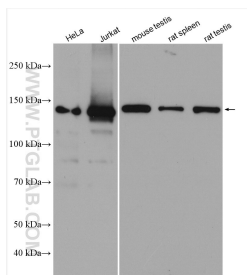
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

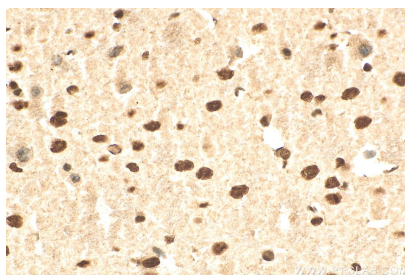
E: proteintech@ptglab.com
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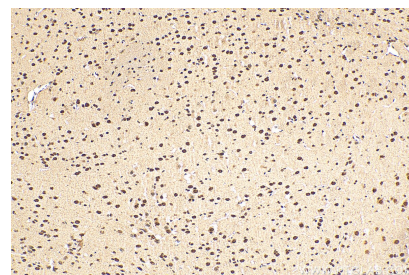
Selected Validation Data



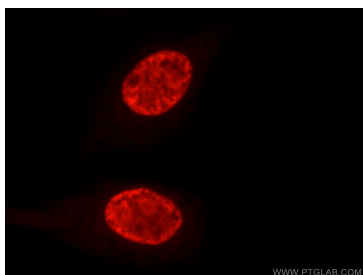
Various lysates were subjected to SDS PAGE followed by western blot with 17721-1-AP (DHX9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



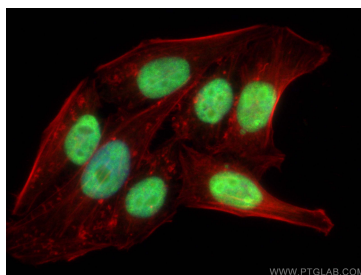
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17721-1-AP (DHX9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17721-1-AP (DHX9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells, using DHX9 antibody 17721-1-AP at 1:100 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DHX9 antibody (17721-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).