

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 17721-1-AP	<b>GenBank-Zugangsnummer:</b> BC014246	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 500 µg/ml von Nanodrop und 213 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 1660	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:400-1:1600
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> DEAH (Asp-Glu-Ala-His) box polypeptide 9	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 1270 aa, 141 kDa	
<b>Immunogen Katalognummer:</b> AG12104	<b>Beobachtete Masse:</b> 140 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

IF, IHC, IP, RIP, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Human, Maus

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB** : HeLa-Zellen, Jurkat-Zellen, Maushodengewebe, Rattenhodengewebe, Rattenmilzgewebe

**IHC** : Maushirngewebe, Maushodengewebe

**IF** : HepG2-Zellen,

## Hintergrundinformationen

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].

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

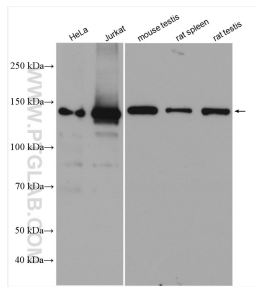
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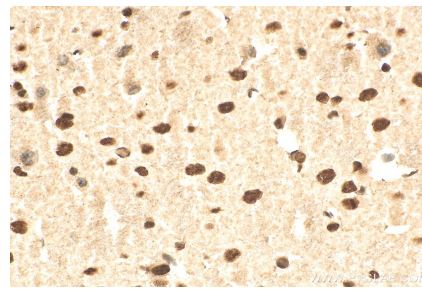
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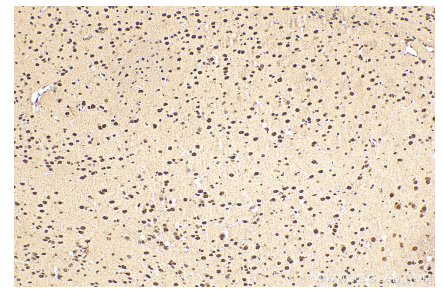
## Ausgewählte Validierungsdaten



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.



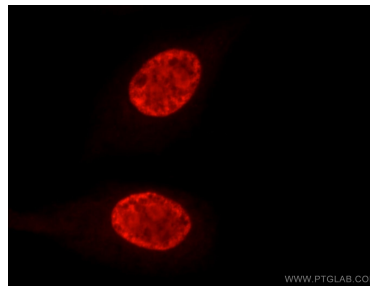
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17721-1-AP (DHX9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 (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).



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