

For Research Use Only

# DHX9 Monoclonal antibody, PBS Only (Detector)



Catalog Number: 67153-1-PBS

Featured Product

## Basic Information

Catalog Number:

67153-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG12104

GenBank Accession Number:

BC014246

GeneID (NCBI):

1660

UNIPROT ID:

Q08211

Full Name:

DEAH (Asp-Glu-Ala-His) box  
polypeptide 9

Calculated MW:

1270 aa, 141 kDa

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

1B12C10

## Applications

Tested Applications:

WB, IP, IF, IHC, Indirect ELISA, Cytometric bead array

Species Specificity:

Human, mouse, rat

## 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].

## 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:

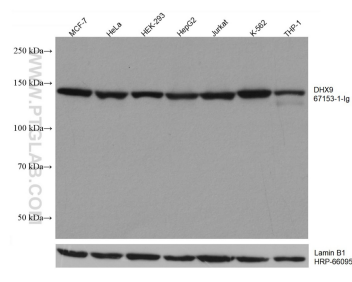
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

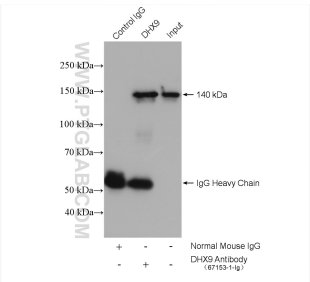
W: [ptgcn.com](http://ptgcn.com)

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

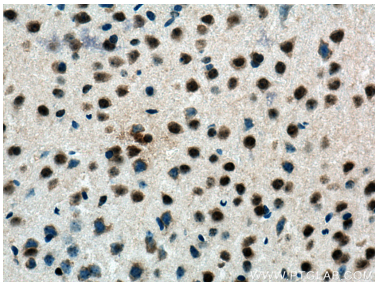
Selected Validation Data



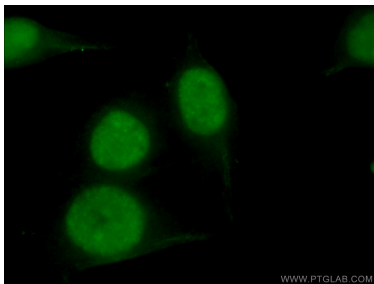
Various lysates were subjected to SDS PAGE followed by western blot with 67153-1-Ig (DHX9 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control. This data was developed using the same antibody clone with 67153-1-PBS in a different storage buffer formulation.



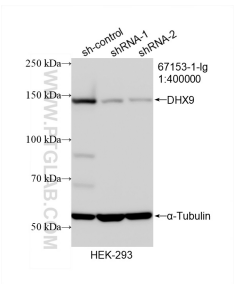
IP result of anti-DHX9 (IP:67153-1-Ig, 5ug; Detection:67153-1-Ig 1:20000) with HeLa cells lysate 2000 ug. This data was developed using the same antibody clone with 67153-1-PBS in a different storage buffer formulation.



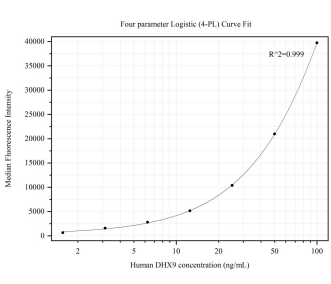
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67153-1-Ig (DHX9 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67153-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 67153-1-Ig (DHX9 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67153-1-PBS in a different storage buffer formulation.



WB result of DHX9 antibody (67153-1-Ig; 1:400000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DHX9 transfected HEK-293 cells. This data was developed using the same antibody clone with 67153-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50161-1, DHX9 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67153-2-PBS. Detection antibody: 67153-1-PBS. Standard:Ag12104. Range: 1.563-100 ng/mL.