

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:**

100ug, Concentration: 1mg/ml by Nanodrop;

**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

## Product Information

67153-1-PBS targets DHX9 as part of a matched antibody pair:

MP50161-1: 67153-2-PBS capture and 67153-1-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## 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.

**Storage Buffer:**

PBS Only

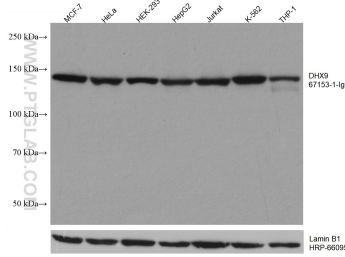
For technical support and original validation data for this product please contact:

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

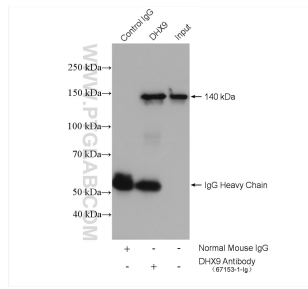
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

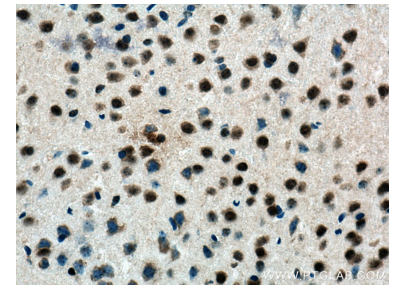
## Selected Validation Data



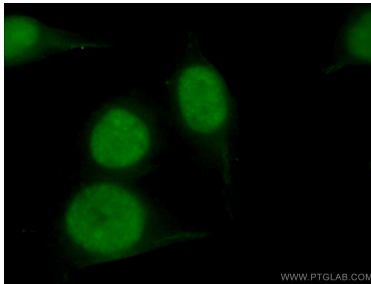
Various lysates were subjected to SDS PAGE followed by western blot with 67153-1-Ig (DHX9 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control. This data was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



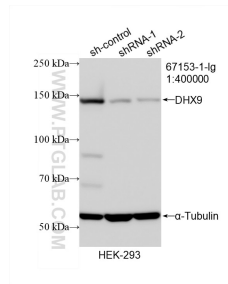
IP result of anti-DHX9 (IP:67153-1-Ig, 5ug; Detection:67153-1-Ig 1:20000) with HeLa cells lysate 2000 ug. This data was developed using the same antibody clone with 67153-1-PBS in a different storage buffer formulation.



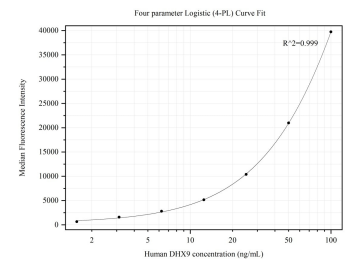
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67153-1-Ig (DHX9 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67153-1-PBS in a different storage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



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 67153-1-Ig (DHX9 antibody) at dilution of 1:100 and CoralLite488-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