

For Research Use Only

# CoraLite® Plus 488-conjugated DHX9 Polyclonal antibody

Catalog Number: CL488-17721

Featured Product



## Basic Information

Catalog Number:

CL488-17721

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

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:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:200-1:800

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : 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].

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

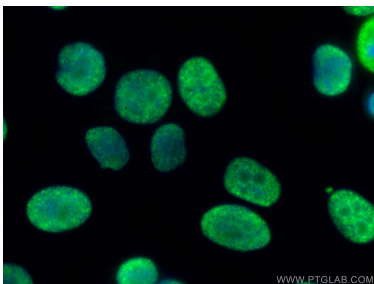
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 DHX9 antibody (CL488-17721) at dilution of 1:400.

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 DHX9 antibody (CL488-17721) at dilution of 1:200, CL594-phalloidin (red).

1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug Coralite® Plus 488-conjugated DHX9 Polyclonal antibody (CL488-17721)(red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).