

CoraLite® Plus 488-conjugated DHX9 Monoclonal antibody

Catalog Number: **CL488-67153**

Basic Information

Catalog Number:

CL488-67153

Size:

1000 µg/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 G purification

CloneNo.:

1B12C10

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:

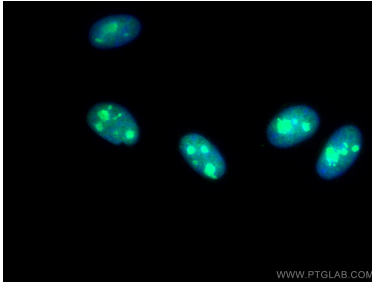
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

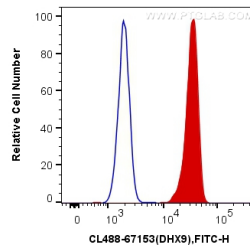
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 DHX9 antibody (CL488-67153, Clone: 1B12C10) at dilution of 1:400.



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human DHX9 (CL488-67153, Clone:1B12C10) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).