

For Research Use Only

# CoraLite® Plus 488-conjugated DDX18 Recombinant antibody

Catalog Number: CL488-85789-3



## Basic Information

|                           |               |                           |   |   |                        |
|---------------------------|---------------|---------------------------|---|---|------------------------|
| Catalog Number:           | CL488-85789-3 | GenBank Accession Number: | BC001238                                  | Purification Method:                    | Protein A purification |
| Concentration:            | 1000 ug/ml    | GeneID (NCBI):            | 8886                                      | CloneNo.:                               | 250053E4               |
| Source:                   | Rabbit        | UNIPROT ID:               | Q9NVP1                                    | Recommended Dilutions:                  | IF/ICC: 1:50-1:500     |
| Isotype:                  | IgG           | Full Name:                | DEAD (Asp-Glu-Ala-Asp) box polypeptide 18 | Excitation/Emission maxima wavelengths: | 493 nm / 522 nm        |
| Immunogen Catalog Number: | AG27457       | Calculated MW:            | 75 kDa                                    |   |                        |
|                           |               | Observed MW:              | 75 kDa                                    |   |                        |

## Applications

|                      |        |                       |
|----------------------|--------|-----------------------|
| Tested Applications: | IF/ICC | Positive Controls:    |
| Species Specificity: | human  | IF/ICC : HepG2 cells, |

## Background Information

DDX18 (DEAD-box helicase 18) is a protein belonging to the DEAD-box deconjugating enzyme family that is widely involved in RNA metabolism. It plays a key role in the assembly of the ribosomal small subunit (SSU) and ensures efficient intracellular protein synthesis. DDX18 unwinds RNA double strands through its deconjugating enzyme activity, which is essential for the proper processing and functional execution of RNA molecules. In addition, DDX18 is a multifunctional RNA deconjugating enzyme involved in a variety of signaling pathways, playing a key role not only in ribosome assembly and RNA metabolism, but also in the regulation of a variety of biological processes such as cell cycle, genome stability and stem cell pluripotency.

## Storage

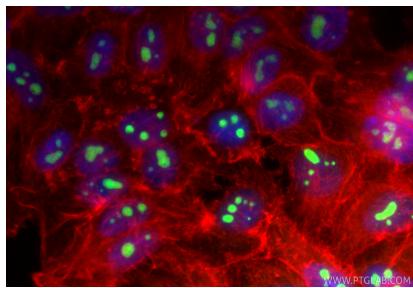
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
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W: 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 DDX18 antibody (CL488-85789-3, Clone: 250053E4) at dilution of 1:200, CL594-Phalloidin (red).