

For Research Use Only

CoraLite®594-conjugated DDX18 Recombinant antibody

Catalog Number: CL594-85789-3



Basic Information

Catalog Number: CL594-85789-3	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: 588 nm / 604 nm
Immunogen Catalog Number: AG27457	Calculated MW: 75 kDa	
	Observed MW: 75 kDa	

Applications

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

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:

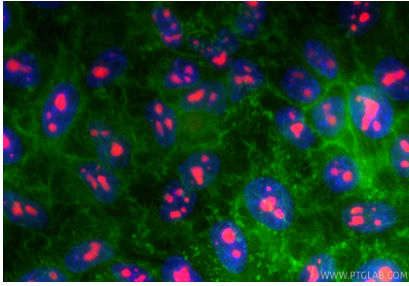
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite®594 DDX18 antibody (CL594-85789-3, Clone: 250053E4) at dilution of 1:200, CL488-Phalloidin (green).