

For Research Use Only

DDX18 Recombinant antibody

Catalog Number: 85789-3-RR



Basic Information

Catalog Number:

85789-3-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27457

GenBank Accession Number:

BC001238

GeneID (NCBI):

8886

UNIPROT ID:

Q9NVP1

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 18

Calculated MW:

75 kDa

Observed MW:

75 kDa

Purification Method:

Protein A purification

CloneNo.:

250053E4

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293T cells, HeLa cells, K-562 cells, Jurkat cells, MCF-7 cells

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

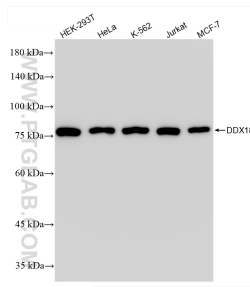
T: 4006900926

E: Proteintech-CN@ptglab.com

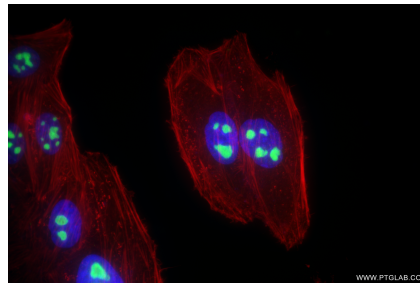
W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85789-3-RR (DDX18 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DDX18 antibody (85789-3-RR, Clone: 250053E4) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).