

For Research Use Only

DHX30 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87317-1-PBS



Basic Information

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| Catalog Number: 87317-1-PBS | GenBank Accession Number: BC014237 | Purification Method: Protein A purification |
| Size: 100ug, Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 22907 | CloneNo.: 252728B1 |
| Source: Rabbit | UNIPROT ID: Q7L2E3 | |
| Isotype: IgG | Full Name: DEAH (Asp-Glu-Ala-His) box polypeptide 30 | |
| Immunogen Catalog Number: AG29885 | Calculated MW: 501 aa, 56 kDa | |
| | Observed MW: 134 kDa | |

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

The DHX30 protein is a crucial member of the DEAH-box RNA helicase family, localized in both the cytoplasm and mitochondria. As a key regulator of RNA metabolism, it hydrolyzes ATP to unwind RNA secondary structures or RNA-protein complexes, thereby playing a central role in fundamental cellular processes such as ribosome biogenesis, mitochondrial translation initiation, and the regulation of mRNA stability. This protein is particularly prominent in the nervous system, where mutations in its encoding gene have been clearly identified as one of the genetic factors leading to neurodevelopmental disorders (such as autism spectrum disorder and intellectual disability), primarily affecting neuronal differentiation and synaptic function. In recent years, studies have also found that DHX30 is abnormally expressed in various cancer tissues, suggesting its potential involvement in tumor development and progression, making it a promising tumor biomarker and therapeutic target.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

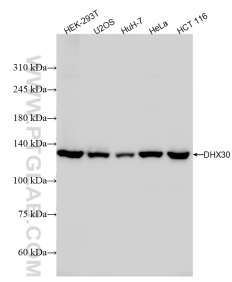
For technical support and original validation data for this product please contact:

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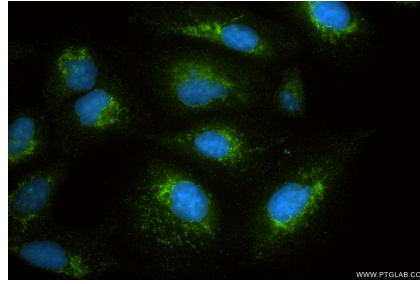
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87317-1-RR (DHX30 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87317-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using DHX30 antibody (87317-1-RR, Clone: 252728B1) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 87317-1-PBS in a different storage buffer formulation.