

For Research Use Only

DHX30 Recombinant monoclonal antibody

Catalog Number: 87317-1-RR



Basic Information

Catalog Number: 87317-1-RR	GenBank Accession Number: BC014237	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 22907	CloneNo.: 252728B1
Isotype: IgG	UNIPROT ID: Q7L2E3	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
Immunogen Catalog Number: AG29885	Full Name: DEAH (Asp-Glu-Ala-His) box polypeptide 30	
	Calculated MW: 501 aa, 56 kDa	
	Observed MW: 134 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB: HEK-293T cells, U2OS cells, HuH-7 cells, HeLa cells, HCT 116 cells IF/ICC: U2OS cells,

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 -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:

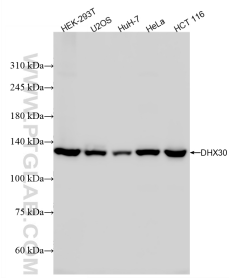
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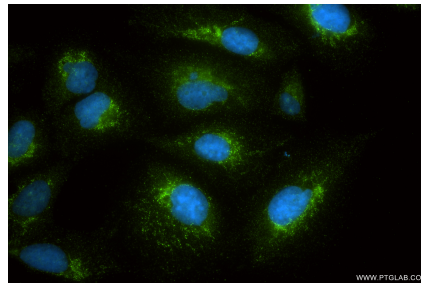
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Selected Validation Data



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.



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).