

For Research Use Only

DHX36 Polyclonal antibody

Catalog Number: 13159-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 13159-1-AP	GenBank Accession Number: BC036035	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 1000 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 170506	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB IHC 1:50-1:500
Source: Rabbit	Full Name: DEAH (Asp-Glu-Ala-His) box polypeptide 36	
Isotype: IgG	Calculated MW: 1008 aa, 115 kDa	
Immunogen Catalog Number: AG3799	Observed MW: 110-120 kDa	

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

CoIP, IF, IP, RIP, WB

Species Specificity:

human

Cited Species:

human, mouse, monkey

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, human brain tissue, PC-3 cells, HEK-293T cells, A431 cells

IP : PC-3 cells, A431 cells

IHC : human prostate cancer tissue,

Background Information

DHX36, also known as RNA associated with AU-rich element (RHAU) and G4R1, is an adenosine triphosphate (ATP)-dependent RNA helicase that belongs to the DEH/D family of RNA modifying enzymes. Proteins in this family involve in a wide range of cellular functions including RNA splicing, ribosome assembly, messenger RNA (mRNA) stability, microRNA processing, ribonucleoprotein remodeling and RNA trafficking. DHX36 is an RNA helicase that has specificity for DNA and RNA G4-quadruplexes, and resolves G4 structures into separate nucleotide strands for metabolic processing of G-rich sequence.

Notable Publications

Author	Pubmed ID	Journal	Application
Connor J Maltby	32870280	Nucleic Acids Res	WB
Shawn M Lyons	29066746	Nat Commun	WB
Huiyuan Jing	29123520	Front Immunol	WB, CoIP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

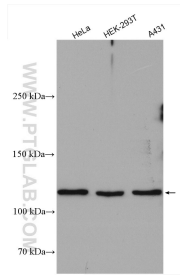
For technical support and original validation data for this product please contact:

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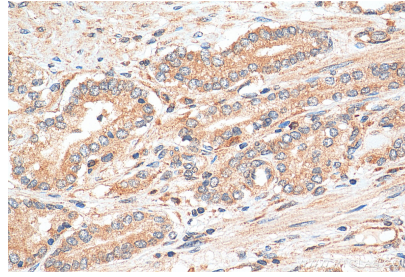
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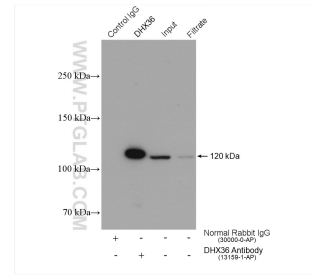
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13159-1-AP (DHX36 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 13159-1-AP (DHX36 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-DHX36(IP:13159-1-AP, 4ug; Detection:13159-1-AP 1:500) with PC-3 cells lysate 1760 ug.