For Research Use Only

DHX36 Polyclonal antibody

Catalog Number:13159-1-AP Featured Product 11 Publications

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Basic Information

Catalog Number:
13159-1-AP

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3799

GenBank Accession Number:
BC036035

GeneID (NCBI):
170506

UNIPROT ID:
Q9H2U1

Full Name:
DEAH (Asp-Glu-Ala-His) box polypeptide 36

Calculated MW:
1008 aa, 115 kDa

Observed MW:
110-120 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500

Applications

Tested Applications:
WB, IP, IHC, ELISA

Cited Applications:
WB, IP, IF, RIP, CoIP

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 DExH/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

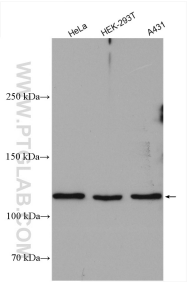
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

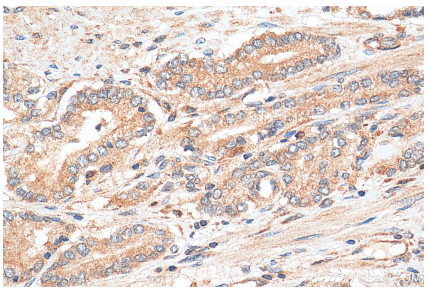
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

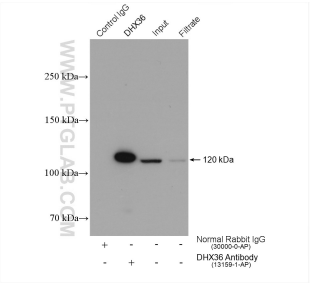
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.