

DDX5 Monoclonal antibody

Catalog Number: 67025-1-Ig **6 Publications**

Basic Information

Catalog Number:

67025-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG24821

GenBank Accession Number:

NM_004396

GeneID (NCBI):

1655

UNIPROT ID:

P17844

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 5

Observed MW:

69 kDa

Purification Method:

Protein G purification

CloneNo.:

2D3D2

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP, ColP

Species Specificity:

Human, mouse, rat

Cited Species:

human, mouse, bovine

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: NCI-H1299 cells, A431 cells, HSC-T6 cells, HeLa cells, HEK-293 cell, HepG2 cells, HT-29 cells, NIH/3T3 cells, 4T1 cells

IP: HeLa cells,

IHC: human colon cancer tissue,

IF/ICC: HepG2 cells,

Background Information

DDX5 or p68, a member of DEAD/H BOX, which has a characteristic DEAD box, is a proliferation-associated nuclear antigen. DDX5 involves in the alternative regulation of pre-mRNA splicing, act as a RNA helicase to increase tau exon10 inclusion in a RBM4-dependent manner. It's also a transcription coactivator for estrogen receptor ESR1 and androgen receptor AR. Once synergized with DDX17 and SRA1 RNA, DDX5 activated MYOD1 transcription activity and involved in skeletal muscle differentiation.

Notable Publications

Author	Pubmed ID	Journal	Application
Yansheng Li	33754075	Theranostics	ColP
Yinan Wang	39351875	Nucleic Acids Res	WB
Ximena Corso-Díaz	39345562	bioRxiv	WB, IF, ColP

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

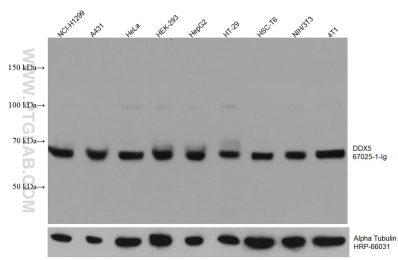
For technical support and original validation data for this product please contact:

T: 4006900926

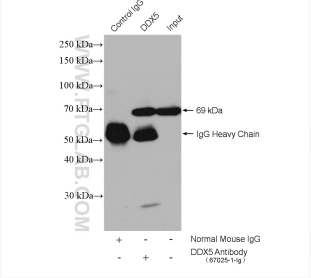
E: Proteintech-CN@ptglab.comW: ptgcn.com

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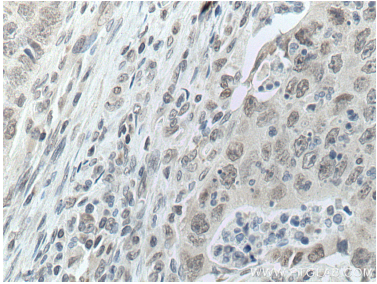
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67025-1-Ig (DDX5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



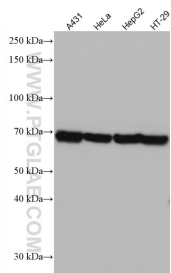
IP result of anti-DDX5 (IP:67025-1-Ig, 5ug; Detection:67025-1-Ig 1:1000) with HeLa cells lysate 1600 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67025-1-Ig (DDX5 antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DDX5 antibody (67025-1-Ig, Clone: 2D3D2) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-phalloidin (red).



Various lysates were subjected to SDS PAGE followed by western blot with 67025-1-Ig (DDX5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.