

For Research Use Only

DDX5 Monoclonal antibody

Catalog Number: 67025-1-Ig **7 Publications**



Basic Information

Catalog Number: 67025-1-Ig	GenBank Accession Number: NM_004396	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1655	CloneNo.: 2D3D2
Source: Mouse	UNIPROT ID: P17844	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:250-1:1000 IF/ICC 1:500-1:2000
Isotype: IgG1	Full Name: DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	
Immunogen Catalog Number: AG24821	Observed MW: 69 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	Positive Controls:
Cited Applications: WB, IF, IP, ColP	WB : NCI-H1299 cells, A431 cells, HSC-T6 cells, HeLa cells, HEK-293 cell, HepG2 cells, HT-29 cells, NIH/3T3 cells, 4T1 cells
Species Specificity: Human, mouse, rat	IP : HeLa cells,
Cited Species: human, mouse, bovine	IHC : human colon cancer tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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
Aixin Yu	39820362	Commun Biol	WB
Yinan Wang	39351875	Nucleic Acids Res	WB

Storage

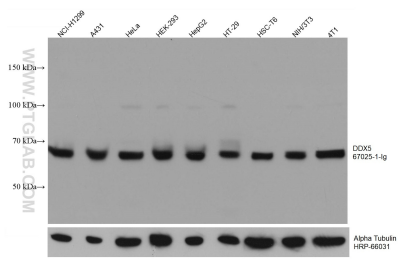
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

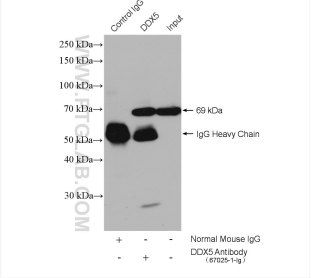
For technical support and original validation data for this product please contact:
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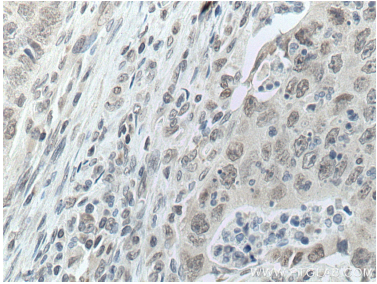
Selected Validation Data



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.



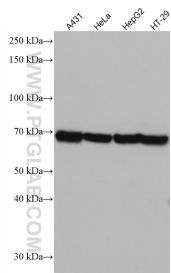
IP result of anti-DDX5 (IP:67025-1-Ig, 5ug; Detection:67025-1-Ig 1:1000) with HeLa cells lysate 1600 ug.



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.