For Research Use Only

DDX5 Polyclonal antibody

Catalog Number:26385-1-AP 1 Publications

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Basic Information

Catalog Number:
26385-1-AP

Size:
650 μg/ml

Source:
Rabbit

Isotype:
IgG

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:
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 1:400-1:1600
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IP, IF/ICC, IHC, ELISA

Cited Applications:
WB

Species Specificity:
human, rat, mouse

Cited Species:
human

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 : HepG2 cells, HeLa cells

IP : HeLa cells,

IHC : mouse liver tissue, rat kidney 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 extrogen 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
Xuwen Chen	38232462	Eur J Med Chem	WB

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:
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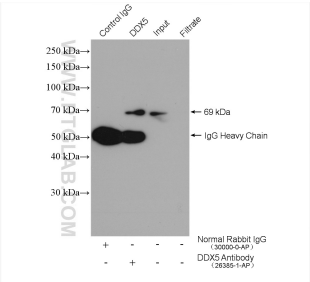
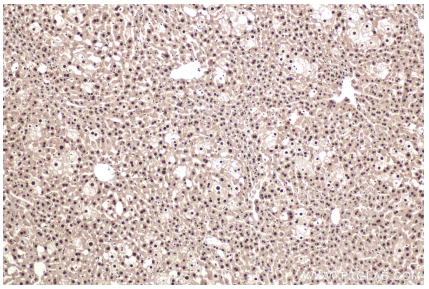
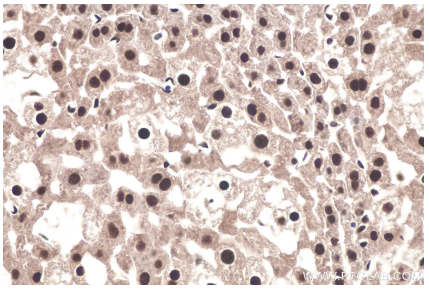
Selected Validation Data



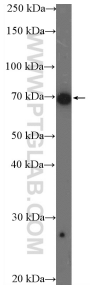
IP result of anti-DDX5 (IP:26385-1-AP, 4ug; Detection:26385-1-AP 1:500) with HeLa cells lysate 1600 ug.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 26385-1-AP (DDX5 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 26385-1-AP (DDX5 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HepG2 cells were subjected to SDS PAGE followed by western blot with 26385-1-AP (DDX5 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DDX5 antibody (26385-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).