

For Research Use Only

DDX1 Polyclonal antibody

Catalog Number: 11357-1-AP

Featured Product

23 Publications



Basic Information

Catalog Number:

11357-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1887

GenBank Accession Number:

BC012132

GeneID (NCBI):

1653

UNIPROT ID:

Q92499

Full Name:

DEAD (Asp-Glu-Ala-Asp) box polypeptide 1

Calculated MW:

740 aa, 82 kDa

Observed MW:

70-82 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:1000-1:4000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : HEK-293 cells, A431 cells, HeLa cells, MCF-7 cells, NCI-H1299 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue, PC-3 cells, mouse kidney tissue, rat kidney tissue

IHC : human stomach tissue, human lymphoma tissue, human ovary tumor tissue, mouse brain tissue, mouse lung tissue, mouse skin tissue, rat brain tissue, rat lung tissue, rat skin tissue

IF/ICC : U2OS cells,

Background Information

DDX1 is a DEAD box protein, which is putative RNA helicases with a characteristic asp-glu-ala-asp (DEAD) box motif. DEAD box proteins involve in translation initiation, splicing, and ribosome and spliceosome assembly by altering RNA secondary structure. As a RNA helicase, DDX1 has a role in RNA clearance at DNA double-strand breaks (DSBs), thereby facilitating the template-guided repair of transcriptionally active regions of the genome.

Notable Publications

Author	Pubmed ID	Journal	Application
Zonghong Li	30295850	Nucleic Acids Res	WB,IF
Federica Accornero	29192139	Nat Commun	WB
Michael J Cargill	34083132	DNA Repair (Amst)	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

*** 20ul sizes contain 0.1% BSA

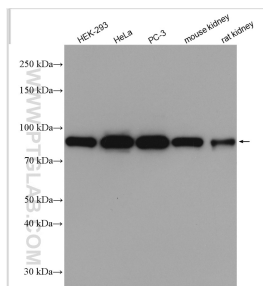
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

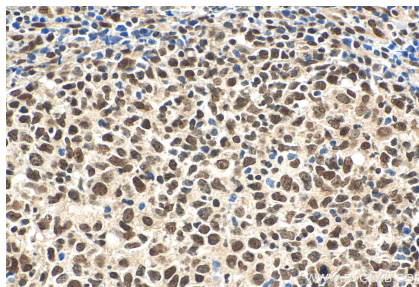
E: proteintech@ptglab.com
W: ptglab.com

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

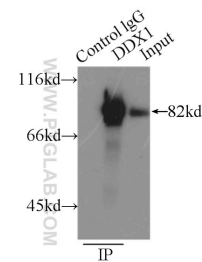
Selected Validation Data



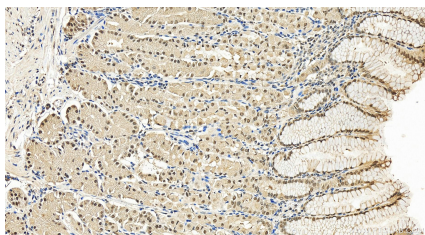
Various lysates were subjected to SDS PAGE followed by western blot with 11357-1-AP (DDX1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



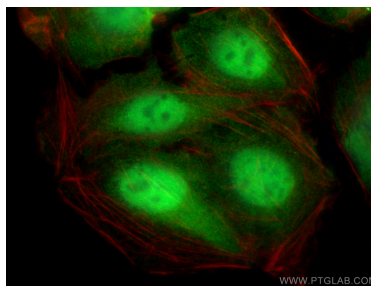
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 11357-1-AP (DDX1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-DDX1 (IP: 11357-1-AP, 3ug; Detection: 11357-1-AP 1:1000) with PC-3 cells lysate 5000ug.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 11357-1-AP (DDX1 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using DDX1 antibody (11357-1-AP) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).