

For Research Use Only

# DDX1 Polyclonal antibody

Catalog Number: 11357-1-AP

Featured Product

19 Publications



## Basic Information

**Catalog Number:**

11357-1-AP

**Size:**

750 µg/ml

**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

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB, IP, IF, RIP, IHC, CoIP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse

**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

## 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

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

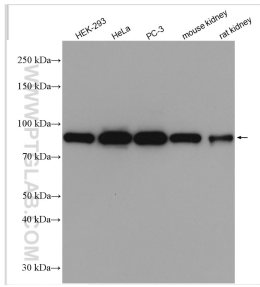
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

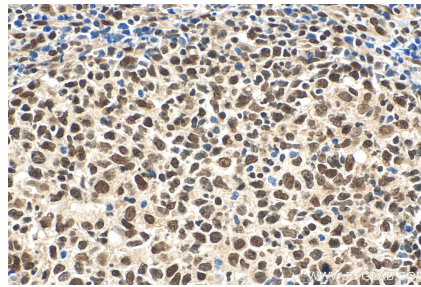
W: [ptgcn.com](http://ptgcn.com)

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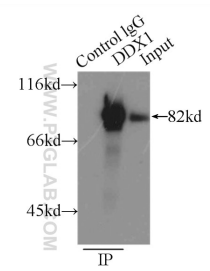
## Selected Validation Data



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.