

For Research Use Only

# DDX1 Monoclonal antibody

Catalog Number: 67991-1-Ig **Featured Product**



## Basic Information

**Catalog Number:**

67991-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG16774

**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:**

82 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1G10G4

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, mouse, rat

**Positive Controls:**

WB: A431 cells, 4T1 cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 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.

## 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:

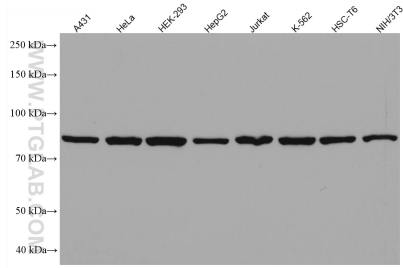
T: 4006900926

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

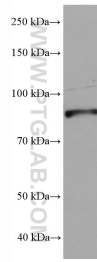
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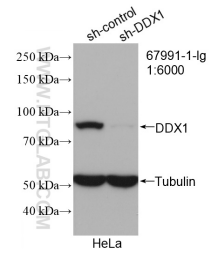
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67991-1-Ig (DDX1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



4T1 cells were subjected to SDS PAGE followed by western blot with 67991-1-Ig (DDX1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



WB result of DDX1 antibody (67991-1-Ig; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DDX1 transfected HeLa cells.