Basic Information

- **Catalog Number:** 11357-1-AP
- **Size:** 150μL, Concentration: 393 μg/ml by Bradford method using BSA as the standard.
- **Source:** Rabbit
- **Isotype:** IgG
- **Immunogen Catalog Number:** AG1887
- **GenBank Accession Number:** BC012132
- **GeneID (NCBI):** 1653
- **Full Name:** DEAD (Asp-Glu-Ala-Asp) box polypeptide 1
- **Calculated MW:** 740 aa, 82 kDa
- **Observed MW:** 82 kDa
- **Purification Method:** Antigen affinity purification
- **Recommended Dilutions:**
  - **WB:** 1:500-1:2400
  - **IP:** 0.5-4.0 ug for IP and 1:500-1:2000 for WB
  - **IHC:** 1:20-1:200

Applications

- **Tested Applications:** IHC, IP, WB, ELISA
- **Cited Applications:** CoIP, IF, IHC, IP, RIP, WB
- **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

Background Information

DDX1 is a DEAD box protein, which is putative RNA helicases with a characteristic asp-glu-al-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

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<th>Author</th>
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<tr>
<td>Zonghong Li</td>
<td>30295850</td>
<td>Nucleic Acids Res</td>
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<td>Federica Accornero</td>
<td>29192139</td>
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<td>Claudia Ribeiro de Almeida</td>
<td>29731414</td>
<td>Mol Cell</td>
<td>WB,ColP,JP</td>
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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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
- E: proteintechn@ptglab.com
- W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
HeLa cells were subjected to SDS PAGE followed by western blot with 11357-1-AP (DDX1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

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 lymphoma using 11357-1-AP (DDX1 antibody) at dilution of 1:50 (under 10x lens).