

# DDX1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID AAH12739.1

Catalog No. A300-521A

GeneID 1653

Lot No. A300-521A-3



<b>APPLICATIONS</b>	WB, IP, IHC
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Rat, Chicken and Bovine
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	200 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to DDX1 immobilized on solid support.

The epitope recognized by A300-521A maps to a region between residue 650 and the C-terminus (residue 697) of human DEAD (Asp-Glu-Ala-Asp) Box Polypeptide 1 using the numbering given in entry AAH12739.1 (GeneID 1653).

Immunoglobulin concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate
Immunohistochemistry	1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

**APPLICATION NOTES** Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

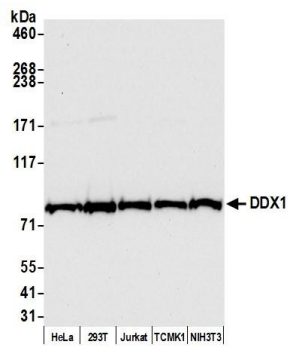
**IHC HUMAN CONTROLS** Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE. Ovarian Carcinoma, Testicular Seminoma

**IHC MOUSE CONTROLS** Renal Cell Carcinoma

**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-521A>

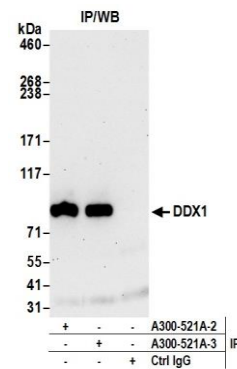
Use the link above to view SDS, a current list of citations, and other product specific information. IP-western blot protocol [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Eric McIntush, PhD | Chief Scientific Officer Date: December 20, 2019



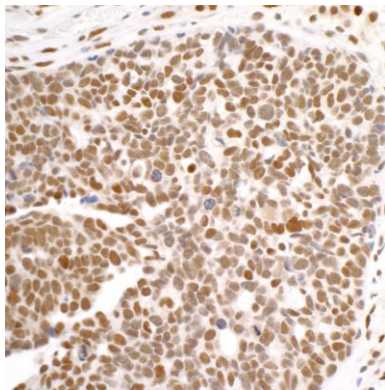
#### Detection of human and mouse DDX1 by western blot.

**Samples:** Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. **Antibody:** Affinity purified rabbit anti-DDX1 antibody A300-521A (lot A300-521A-3) used for WB at 0.04 µg/ml. **Detection:** Chemiluminescence with an exposure time of 10 seconds.



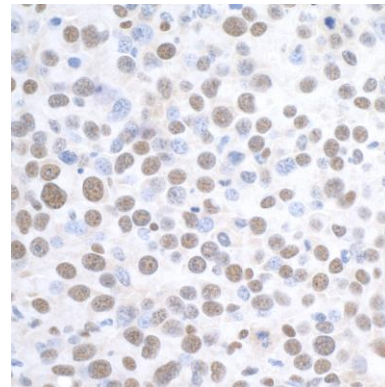
#### Detection of human DDX1 by western blot of immunoprecipitates.

**Samples:** Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. **Antibodies:** Affinity purified rabbit anti-DDX1 antibody A300-521A (lot A300-521A-3) used for IP at 6 µg per reaction. DDX1 was also immunoprecipitated by a previous lot of this antibody (lot A300-521A-2). For blotting immunoprecipitated DDX1, A300-521A was used at 0.04 µg/ml. **Detection:** Chemiluminescence with an exposure time of 30 seconds.



#### Detection of human DDX1 by immunohistochemistry.

**Sample:** FFPE section of human ovarian carcinoma. **Antibody:** Affinity purified rabbit anti-DDX1 (Cat. No. A300-521A lot 3) used at a dilution of 1:200 (1 µg/ml). **Detection:** DAB



#### Detection of mouse DDX1 by immunohistochemistry.

**Sample:** FFPE section of mouse renal cell carcinoma. **Antibody:** Affinity purified rabbit anti-DDX1 (Cat. No. A300-521A lot 3) used at a dilution of 1:200 (1 µg/ml). **Detection:** DAB