DDX5 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A300-523A

Lot No. A300-523A-3

Protein ID NP_004387.1

GeneID 1655

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Orangutan and Chimpanzee
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to DDX5 immobilized on solid support. The epitope recognized by A300-523A maps to a region between residue 575 and the C-terminus (residue 614) of human DEAD (Asp-Glu-Ala-Asp) Polypeptide 5 using the numbering given in entry NP_004387.1 (GeneID 1655). 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.

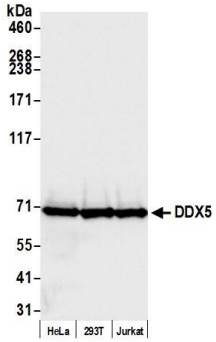
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate
Immunohistochemistry	1:200 to 1:1000. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

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). Western blot of lysates performed using standard western blot reagents and 4-8% SDS-PAGE.
IHC HUMAN CONTROLS	Breast Carcinoma, Colon Carcinoma, Laryngeal Squamous Cell Carcinoma, Linitis Plastica Stomach Cancer, Metastatic Lymph Node, Ovarian Carcinoma, Prostate Carcinoma, Skin Basal Cell Carcinoma, Testicular Seminoma
IHC MOUSE CONTROLS	Colon Carcinoma CT26, Fibroma, Renal Cell Carcinoma, Squamous Cell Carcinoma, Teratoma
ADDITIONAL INFO	https://www.bethyl.com/product/A300-523A 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

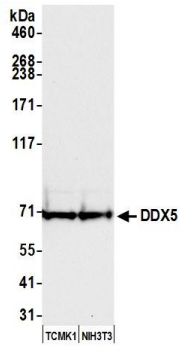
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

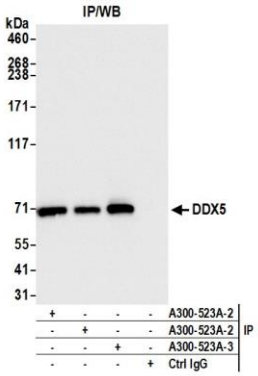
Date: July 31, 2019



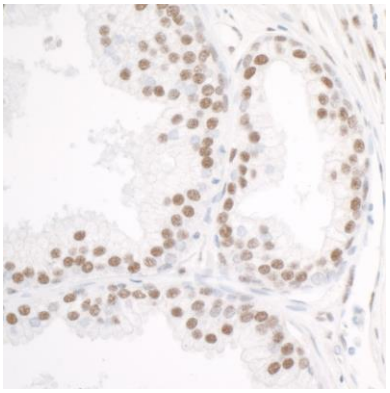
Detection of human DDX5 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-DDX5 antibody A300-523A (lot A300-523A-3) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



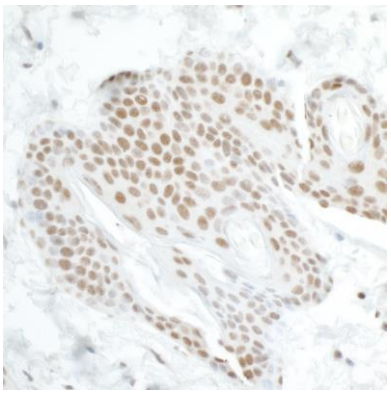
Detection of mouse DDX5 by western blot. *Samples:* Whole cell lysate (50 µg) from TCMK-1 and NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-DDX5 antibody A300-523A (lot A300-523A-3) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



Detection of human DDX5 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-DDX5 antibody A300-523A (lot A300-523A-3) used for IP at 6 µg per reaction. DDX5 was also immunoprecipitated by a previous lot of this antibody (lot A300-523A-2) and rabbit anti-DDX5 antibody A300-522A. For blotting immunoprecipitated DDX5, A300-523A was used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.



Detection of human DDX5 by immunohistochemistry. *Sample:* FFPE section of human prostate carcinoma. *Antibody:* Affinity purified rabbit anti-DDX5 Cat. No. A300-523A lot 3 used at a dilution of 1:1000 (0.2µg/ml). *Detection:* DAB



Detection of mouse DDX5 by immunohistochemistry.
Sample: FFPE section of mouse skin. *Antibody:* Affinity purified rabbit anti-DDX5 Cat. No. A300-523A lot 3 used at a dilution of 1:1000 (0.2µg/ml). *Detection:* DAB