CHD8 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A301-224A

Lot No. A301-224A-2

Protein ID NP_065971.2

GeneID 57680

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
ISOTYPE	IgG
ORIGIN	USA
PRODUCTION PROCEDURES	Antibody was affinity purified using an epitope specific to CHD8 immobilized on solid support. The epitope recognized by A301-224A maps to a region between residue 325 and 350 of human chromodomain helicase DNA binding protein 8 using the numbering given in entry NP_065971.2 (GeneID 57680). 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.

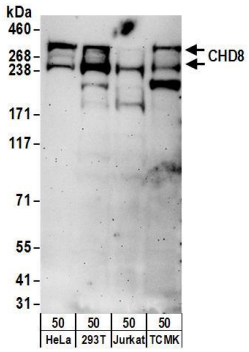
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate
Immunohistochemistry	1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

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, Ovarian Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A301-224A 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

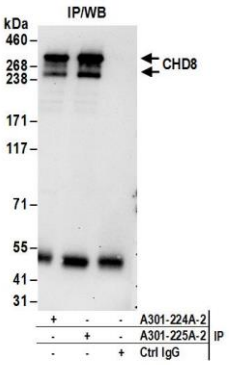
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.

Eric McIntush, PhD | Chief Scientific Officer

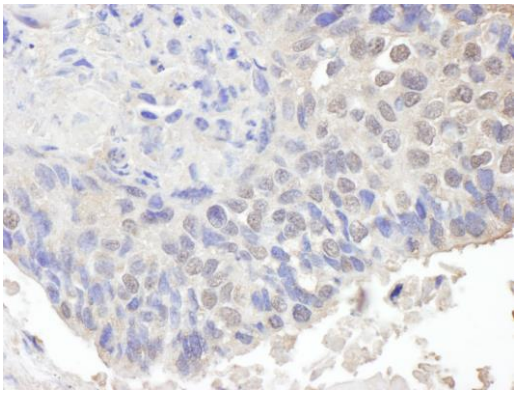
Date: June 21, 2019



Detection of human and mouse CHD8 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, Jurkat, and mouse TCMK-1 cells. *Antibodies:* Affinity purified rabbit anti-CHD8 antibody A301-224A (lot A301-224A-2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human CHD8 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1 mg for IP; 20% of IP loaded) from HeLa cells. *Antibodies:* Affinity purified rabbit anti-CHD8 antibody A301-224A (lot A301-224A-2) used for IP at 6 µg/mg lysate. CHD8 was also immunoprecipitated by rabbit anti-CHD8 antibody A301-225A. For blotting immunoprecipitated CHD8, A301-224A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human CHD8 by immunohistochemistry. *Sample:* FFPE section of human ovarian carcinoma. *Antibody:* Affinity purified rabbit anti-CHD8 (Cat. No. A301-224A Lot2) used at a dilution of 1:1,000 (1µg/ml). *Detection:* DAB