

Topo II Beta Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_001059.2

Catalog No. A300-950A

GeneID 7155

Lot No. A300-950A-2



APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
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 Topo II Beta immobilized on solid support.

The epitope recognized by A300-950A maps to a region between residue 1570 and the C-terminus (residue 1621) of human DNA Topoisomerase II Beta using the numbering given in entry NP_001059.2 (GeneID 7155).

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.

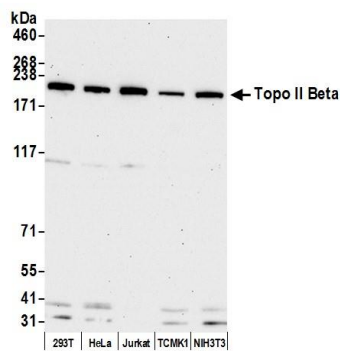
IHC HUMAN CONTROLS Ovarian Carcinoma, Small Cell Lung Cancer, Stomach Adenocarcinoma

ADDITIONAL INFO <https://www.bethyl.com/product/A300-950A>

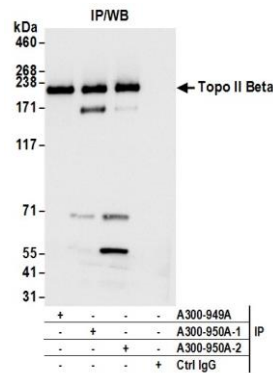
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

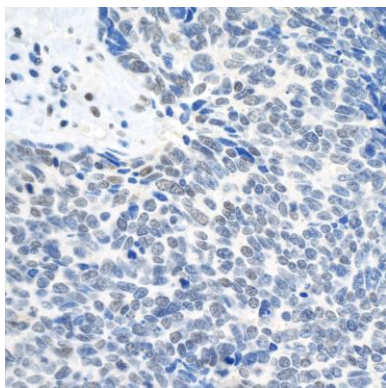
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: May 29, 2020



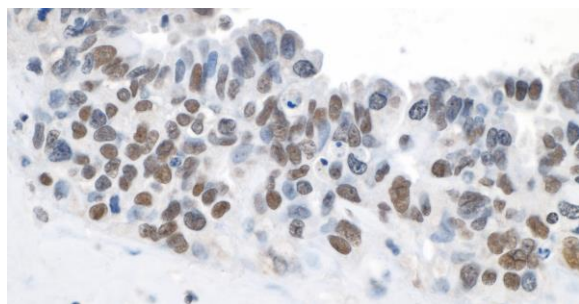
Detection of human and mouse Topo II Beta by western blot. *Samples:* Whole cell lysate (50 µg) from HEK293T, HeLa, Jurkat, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-Topo II Beta antibody A300-950A (lot A300-950A-2) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human Topo II Beta by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-Topo II Beta antibody A300-950A (lot A300-950A-2) used for IP at 6 µg per reaction. Topo II Beta was also immunoprecipitated by a previous lot of this antibody (lot A300-950A-1) and rabbit anti-Topo II Beta antibody A300-949A. For blotting immunoprecipitated Topo II Beta, A300-950A was used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 1 second.



Detection of human Topo II Beta by immunohistochemistry. *Sample:* FFPE section of human small cell lung cancer. *Antibody:* Affinity purified rabbit anti-Topo II Beta (Cat. No. A300-950A lot 2) used at a dilution of 1:1,000 (0.2µg/ml). *Detection:* DAB



Detection of human Topo II Beta by immunohistochemistry. *Sample:* FFPE section of human ovarian cancer. *Antibody:* Affinity purified rabbit anti-Topo II Beta (Cat. No. A300-950A lot 2) used at a dilution of 1:1,000 (0.2µg/ml). *Detection:* DAB