TDP43 Antibody

Rabbit Polyclonal

Antigen Affinity Purified Protein ID NP_031401.1

Catalog No. A303-224A GeneID 23435

Lot No. A303-224A-1

APPLICATIONS WB, IP, IHC

SPECIES REACTIVITY Human. Mouse

PRESUMED REACTIVITY Based on 100% sequence identity, this antibody is predicted to react with Chicken and Orangutan

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 TDP43 immobilized on solid support.

The epitope recognized by A303-224A maps to a region between residue 250 and 300 of human TAR DNA-Binding Protein 43 using the numbering given in entry NP_031401.1 (GeneID 23435).

Antibody 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 - 1:1.000. 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 4-20% SDS-PAGE

(link to IP-western blot protocol in Additional Info section below).

Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

IHC HUMAN CONTROLS Breast Carcinoma, Colon Carcinoma, Linitis Plastica Stomach Cancer, Non-Small Cell Lung

Cancer, Ovarian Carcinoma, Prostate Carcinoma, Stomach Adenocarcinoma, Testicular Seminoma

IHC MOUSE CONTROLS Hybridoma Tumor, Renal Cell Carcinoma, Teratoma

ADDITIONAL INFO https://www.bethyl.com/product/A303-224A

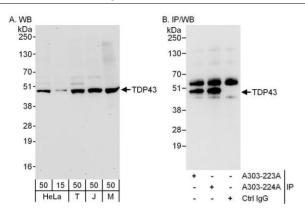
Use the link above to view SDS, a current list of citations, and other product specific information.

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

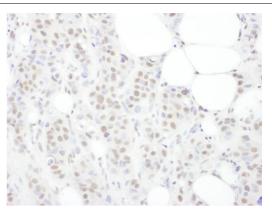
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



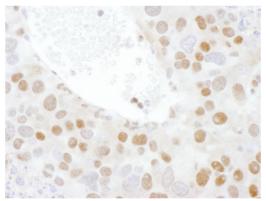
TDP43 Antibody A303-224A



Detection of human and mouse TDP43 by western blot (h and m) and immunoprecipitation (h). Samples: Whole cell lysate from HeLa (15 and 50 μg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 μg), Jurkat (J; 50 μg) and mouse NIH 3T3 (M; 50 μg) cells. Antibodies: Affinity purified rabbit anti-TDP43 antibody A303-224A used for WB at 0.04 $\mu g/ml$ (A) and 0.4 $\mu g/ml$ (B) and used for IP at 6 $\mu g/mg$ lysate. TDP43 was also immunoprecipitated by rabbit anti-TDP43 antibody A303-223A, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 3 seconds (B).



Detection of human TDP43 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti- TDP43 (Cat. No. A303-224A Lot1) used at a dilution of 1:1,000 (0.2μg/ml). Detection: DAB



Detection of mouse TDP43 by immunohistochemistry. *Sample:* FFPE section of mouse renal cell carcinoma. *Antibody:* Affinity purified rabbit anti- TDP43 (Cat. No. A303-224A Lot1) used at a dilution of 1:200 (1µg/ml). *Detection:* DAB