

TDP43 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_031401.1

Catalog No. A303-223A

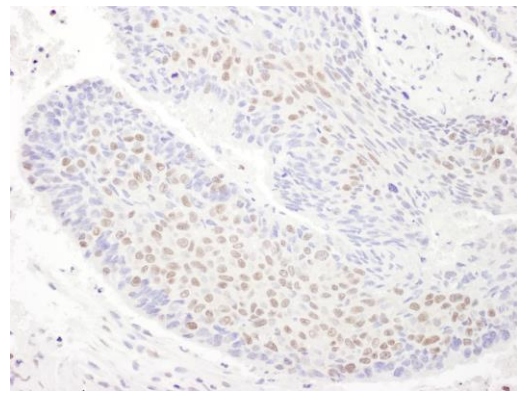
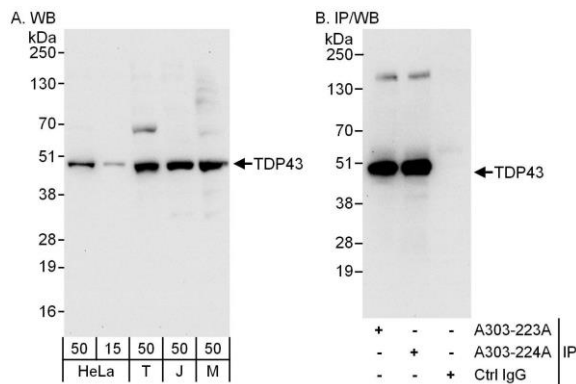
GeneID 23435

Lot No. A303-223A-1



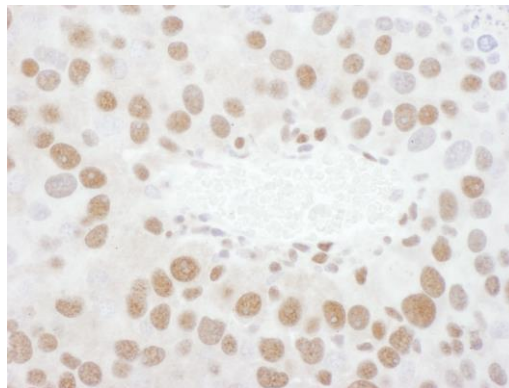
APPLICATIONS	WB, IP, IHC						
SPECIES REACTIVITY	Human, Mouse						
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Orangutan						
AMOUNT	100 µl						
CONCENTRATION	200 µg/ml						
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt						
PHYSICAL STATE	Liquid						
BUFFER	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide						
ISOTYPE	IgG						
ORIGIN	USA						
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to TDP43 immobilized on solid support.</p> <p>The epitope recognized by A303-223A maps to a region between residue 150 and 200 of human TAR DNA-Binding Protein 43 using the numbering given in entry NP_031401.1 (GeneID 23435).</p> <p>Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.</p>						
APPLICATIONS	<p>Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.</p> <table><tr><td>Western Blot</td><td>1:2,000 - 1:10,000</td></tr><tr><td>Immunoprecipitation</td><td>2 - 10 µg/mg lysate</td></tr><tr><td>Immunohistochemistry</td><td>1:200 - 1:1,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.</td></tr></table>	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.
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APPLICATION NOTES	<p>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).</p> <p>Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.</p>						
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	<p>https://www.bethyl.com/product/A303-223A</p> <p>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</p>						

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 TDP43 by western blot (h and m) and immunoprecipitation (h). *Samples:* Whole cell lysate from HeLa (15 and 50 μ g for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 μ g), Jurkat (J; 50 μ g) and mouse NIH 3T3 (M; 50 μ g) cells. *Antibodies:* Affinity purified rabbit anti-TDP43 antibody A303-223A used for WB at 0.04 μ g/ml (A) and 0.4 μ g/ml (B) and used for IP at 6 μ g/mg lysate. TDP43 was also immunoprecipitated by rabbit anti-TDP43 antibody A303-224A, which recognizes a downstream epitope. *Detection:* Chemiluminescence with exposure times of 30 seconds (A) and 10 seconds (B).

Detection of human TDP43 by immunohistochemistry. *Sample:* FFPE section of human non-small cell lung cancer. *Antibody:* Affinity purified rabbit anti-TDP43 (Cat. No. A303-223A Lot1) used at a dilution of 1:1,000 (0.2 μ g/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. A303-223A Lot1) used at a dilution of 1:200 (1 μ g/ml). *Detection:* DAB