

YB1 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_004550.2

Catalog No. A303-231A

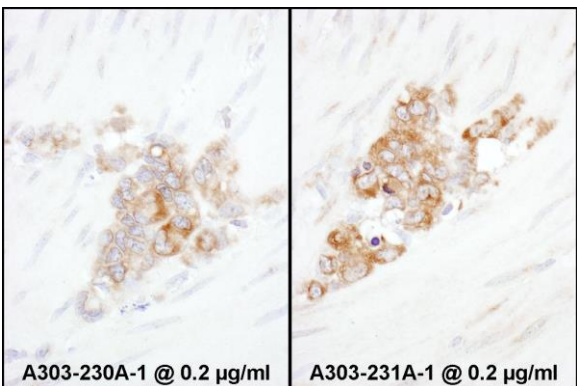
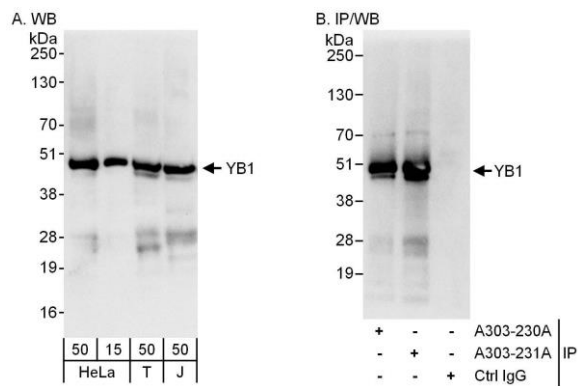
GeneID 4904

Lot No. A303-231A-1



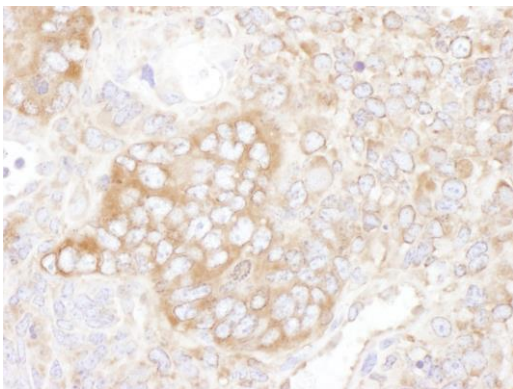
APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Rat, Bovine and Rabbit
AMOUNT	100 µl
CONCENTRATION	200 µg/ml
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-buffered 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 YB1 immobilized on solid support. The epitope recognized by A303-231A maps to a region between residue 274 and 324 of human Y Box Binding Protein 1 using the numbering given in entry NP_004550. (GeneID 4904). 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, Ovarian Carcinoma
IHC MOUSE CONTROLS	Renal Cell Carcinoma, Teratoma
ADDITIONAL INFO	https://www.bethyl.com/product/A303-231A 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 YB1 by western blot and immunoprecipitation. *Samples:* Whole cell lysate from HeLa (15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 µg) and Jurkat (J; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-YB1 antibody A303-231A used for WB at 0.04 µg/ml (A) and 0.4 µg/ml (B) and used for IP at 6 µg/mg lysate. YB1 was also immunoprecipitated by rabbit anti-YB1 antibody A303-230A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 3 seconds (A and B).

Detection of human YB1 by immunohistochemistry. *Samples:* FFPE sections of human stomach linitis plastica. *Antibody:* Affinity purified rabbit anti-YB1 Cat. No. A303-231A Lot1 used at a dilution of 1:1,000 (0.2µg/ml) (right) and Cat. No. A303-230A Lot1 used at a dilution of 1:5,000 (0.2µg/ml) (left). *Detection:* DAB



Detection of mouse YB1 by immunohistochemistry. *Sample:* FFPE section of mouse teratoma. *Antibody:* Affinity purified rabbit anti-YB1 (Cat. No. A303-231A Lot1) used at a dilution of 1:1,000 (0.2µg/ml). *Detection:* DAB