RAD23B Antibody

Rabbit Polyclonal
Antigen Affinity Purified

Catalog No. A302-306A
Lot No. A302-306A-1

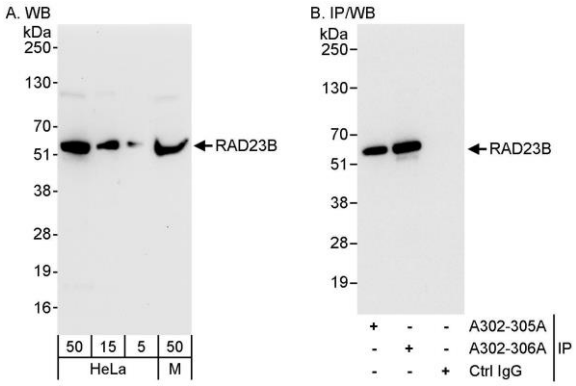
Protein ID NP_002865.1
GeneID 5887

APPLICATIONS	WB, IP, IHC
SPECIES REACTIVITY	Human, Mouse, Rat
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Bovine
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 RAD23B immobilized on solid support. The epitope recognized by A302-306A maps to a region between residue 359 and 409 of human UV excision repair protein RAD23 homolog using the numbering given in entry NP_002865.1 (GeneID 5887). 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.

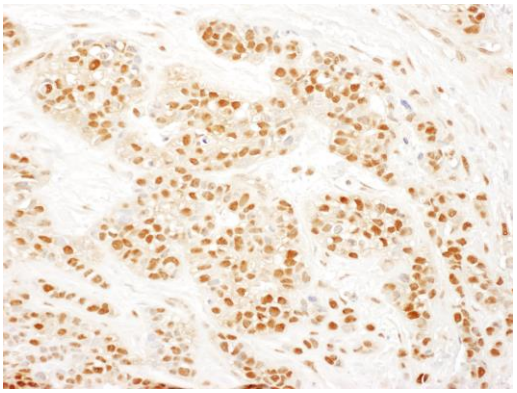
Western Blot	1:2,000 - 1:10,000
Immunoprecipitation	10 µg/mg lysate
Immunohistochemistry	1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

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 4-20% 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, Ovarian Carcinoma, Prostate Carcinoma
ADDITIONAL INFO	https://www.bethyl.com/product/A302-306A 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

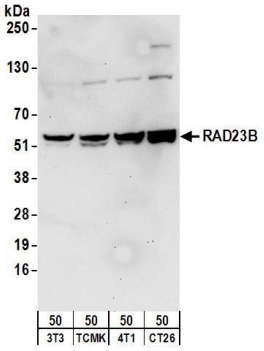
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



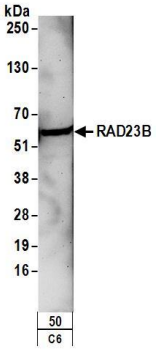
Detection of human and mouse RAD23B by western blot (h&m) and immunoprecipitation (h). *Samples:* Whole cell lysate from HeLa (5, 15 and 50 µg for WB; 1 mg for IP, 20% of IP loaded) and mouse NIH 3T3 (M; 50 µg) cells. *Antibodies:* Affinity purified rabbit anti-RAD23B antibody A302-306A used for WB at 0.04 µg/ml (A) and 0.4 µg/ml (B) and used for IP at 10 µg/mg lysate. RAD23B was also immunoprecipitated by rabbit anti-RAD23B antibody A302-305A, which recognizes an upstream epitope. *Detection:* Chemiluminescence with exposure times of 30 seconds (A) and 3 seconds (B).



Detection of human RAD23B by immunohistochemistry. *Sample:* FFPE section of human breast carcinoma. *Antibody:* Affinity purified rabbit anti- RAD23B (Cat. No. A302-306A Lot1) used at a dilution of 1:1,000 (0.2 µg/ml). *Detection:* DAB



Detection of mouse RAD23B by western blot. *Samples:* Whole cell lysate (50 µg) from NIH 3T3, TCMK-1, 4T1, and CT26.WT cells. *Antibodies:* Affinity purified rabbit anti-RAD23B antibody A302-306A (lot A302-306A-1) used for WB at 0.2 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of rat RAD23B by western blot. *Samples:* Whole cell lysate (50 µg) from C6 cells. *Antibodies:* Affinity purified rabbit anti-RAD23B antibody A302-306A (lot A302-306A-1) used for WB at 0.2 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.