

BRD2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_005095.1

Catalog No. A302-582A

GeneID 6046

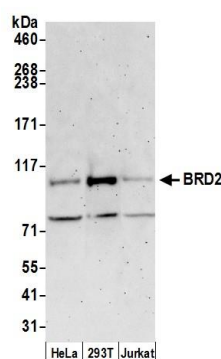
Lot No. A302-582A-2



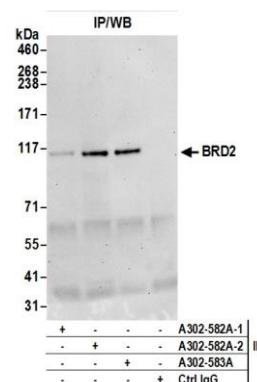
APPLICATIONS	WB, IP, ICC-IF						
SPECIES REACTIVITY	Human						
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Bovine						
AMOUNT	100 µl						
CONCENTRATION	1000 µg/ml						
STORAGE/SHELF LIFE	2 – 8° C / 1 year from date of receipt						
PHYSICAL STATE	Liquid						
BUFFER	Tris-buffered Saline containing 0.09% Sodium Azide						
ISOTYPE	IgG						
ORIGIN	USA						
PRODUCTION PROCEDURES	<p>Antibody was affinity purified using an epitope specific to BRD2 immobilized on solid support.</p> <p>The epitope recognized by A302-582A maps to a region between residue 1 and 50 of human bromodomain containing 2 using the numbering given in entry NP_005095.1 (GeneID 6046).</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>Immunofluorescence (ICC)</td><td>1:50 – 1:2,000. Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells.</td></tr></table>	Western Blot	1:2,000 – 1:10,000	Immunoprecipitation	2 – 10 µg/mg lysate	Immunofluorescence (ICC)	1:50 – 1:2,000. Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells.
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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 4-8% 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 4-8% SDS-PAGE.</p>						
IHC HUMAN CONTROLS	HeLa Cells						
ADDITIONAL INFO	<p>https://www.bethyl.com/product/A302-582A</p> <p>Use the link above to view SDS, a current list of citations, and other product specific information.</p> <p>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

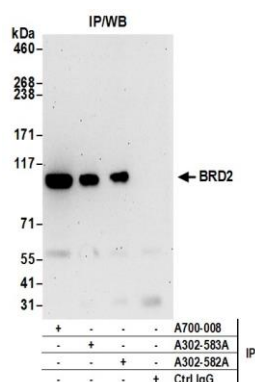
Date: June 21, 2019



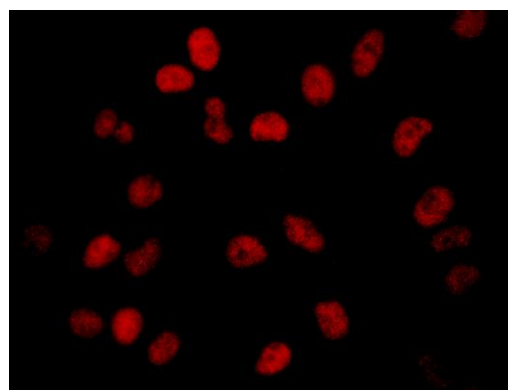
Detection of human BRD2 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-BRD2 antibody A302-582A (lot A302-582A-2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human BRD2 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-BRD2 antibody A302-582A (lot A302-582A-2) used for IP at 6 µg per reaction. BRD2 was also immunoprecipitated by rabbit anti-BRD2 antibody A300-583A and rabbit anti-BRD2 recombinant monoclonal antibody [BL-167-2A2] (A700-008). For blotting immunoprecipitated BRD2, A700-008 was used at 1:1000. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human BRD2 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-BRD2 antibody A302-582A (lot A302-582A-2) used for IP at 6 µg per reaction. BRD2 was also immunoprecipitated by rabbit anti-BRD2 antibody A300-583A and rabbit anti-BRD2 recombinant monoclonal antibody [BL-167-2A2] (A700-008). For blotting immunoprecipitated BRD2, A700-008 was used at 1:1000. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



Detection of human BRD2 by immunocytochemistry. *Sample:* Formaldehyde-fixed asynchronous HeLa cells. *Antibody:* Affinity purified rabbit anti-BRD2 (Cat. No. A302-582A) used at a dilution of 1:100 (2 µg/ml). *Detection:* Red-fluorescent goat anti-rabbit IgG cross-adsorbed Antibody DyLight 594 used at a dilution of 1:100.