

# BRCA2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP\_000050.1

Catalog No. A300-005A

GeneID 675

Lot No. A300-005A-4



|                       |                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------|
| APPLICATIONS          | WB, IP                                                                                          |
| SPECIES REACTIVITY    | Human                                                                                           |
| AMOUNT                | 100 µl                                                                                          |
| CONCENTRATION         | 1000 µg/ml                                                                                      |
| STORAGE/SHELF LIFE    | 2 – 8° C / 1 year from date of receipt                                                          |
| PHYSICAL STATE        | Liquid                                                                                          |
| BUFFER                | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide                          |
| ISOTYPE               | IgG                                                                                             |
| ORIGIN                | USA                                                                                             |
| PRODUCTION PROCEDURES | Antibody was affinity purified using an epitope specific to BRCA2 immobilized on solid support. |

The epitope recognized by A300-005A maps to a region between residue 3350 and the C-terminus (residue 3418) of human Breast Cancer Gene 2 using the numbering given in entry NP\_000050.1 (GeneID 675).

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 2 – 10 µg/mg lysate

**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 3-8% SDS-PAGE (link to IP-western blot protocol in Additional Info section below).

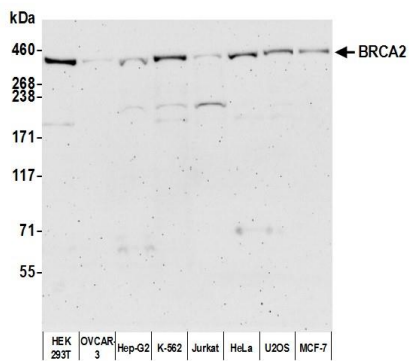
Western blot of lysates performed using standard western blot reagents and 3-8% SDS-PAGE.

**ADDITIONAL INFO** <https://www.bethyl.com/product/A300-005A>

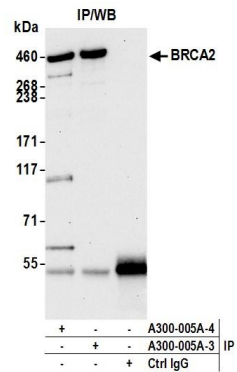
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](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 BRCA2 by western blot.** *Samples:* Whole cell lysate (50 µg) from HEK293T, OVCAR-3, Hep-G2, K-562, Jurkat, HeLa, U2OS, and MCF-7 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-BRCA2 antibody A300-005A (lot A300-005A-4) for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 minutes.



**Detection of human BRCA2 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:* Rabbit anti-BRCA2 antibody A300-005A (lot A300-005A-4) used for IP at 6 µg per reaction. BRCA2 was also immunoprecipitated by a previous lot of this antibody (lot A300-005A-3). For blotting immunoprecipitated BRCA2, A300-005A was used at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.