## BRCA1 Recombinant Monoclonal Antibody [BLR319M]

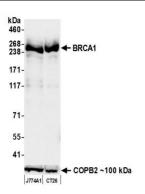


Rabbit Recombinant Monoclonal					
Purified		RefSeq ID	NP_033894.3		
Catalog No.	og No. A700-319		Uniprot ID	P48754	
Lot No.	1		GenelD	12189	
APPLICATIONS		WB, IP, Flow Cyt			
SPECIES REACTIVITY		Mouse			
AMOUNT		100 µl (10 blots)			
CONCENTRATION		1000 μg/ml			
STORAGE/SHELF LIFE		2 - 8°C / 1 year from date of receipt			
PHYSICAL STATE		Liquid			
BUFFER		Phosphate Buffered Saline (PBS) with 0.09% Sodium Azide, BSA-Free			
ISOTYPE		IgG			
CLONE #		BLR319M			
ORIGIN		USA			
PRODUCTION PROCEDURES		Recombinant antibody was purified from cell culture supernatant.			
		Immunogen was a peptide representing a region between residue 500 and 550 of mouse Breast cancer type 1 susceptibility protein (aka BRCA1) using the numbering given in entry NP_033894.3 (Gene ID 12189).			
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	1:1	000	
		Immunoprecipi Flow Cytometry	· Fix	I/mg lysate ed in 4% formaldehyde and permeabilized with 90% methanol. 15 μl per 1 x 10^6 cells.	
APPLICATION NOTES		All western blot analysis is performed using 5% Milk-TBST for blocking and as antibody diluent. Primary antibody is incubated overnight.			
		Western blots of cell lysates are performed using Goat anti-Rabbit IgG Heavy and Light Chain Antibody (Cat. No. A120-101P).			
Conjugate (Ca blocking buff		Conjugate (Cat. blocking buffer.	of immunoprecipitates are performed using Goat anti-Rabbit Light Chain HRP No. A120-113P) with 5% Normal Pig Serum (Cat. No. S100-020) added to the r. ortislife.com/p/A700-319		
				S, a current list of citations, and other product specific information.	

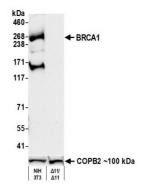
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc. Michael Spencer, PhD Date: April 1, 2024

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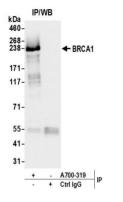


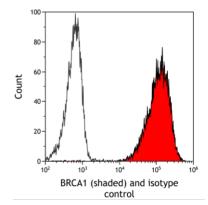
Detection of mouse BRCA1 by western blot. *Samples:* Whole cell lysate (50 µg) from J774A1 and CT26 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-BRCA1 recombinant monoclonal antibody [BLR319M] (A700-319 lot 1) used at 1:1000. *Secondary:* HRPconjugated goat anti-rabbit IgG (A120-101P). *Detection:* Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).



**Detection of mouse BRCA1 by western blot.** *Samples:* Whole cell lysate (50 µg) from mouse fibroblast BRCA1 delta11/delta11(S12) and NIH 3T3 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-BRCA1 recombinant monoclonal antibody [BLR319M] (A700-319 lot 1) used at 1:1000. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-101P). *Detection:* 

Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).





## Detection of mouse BRCA1 by western blot of

**immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from J774A1 cells prepared using NETN lysis buffer. *Antibody:* Rabbit anti-BRCA1 recombinant monoclonal antibody [BLR319M] (A700–319 lot 1) used at 6  $\mu$ l per reaction. For blotting immunoprecipitated BRCA1, A700–319 was used at 1:1000. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

Detection of mouse BRCA1 (shaded) in NIH3T3 cells by flow cytometry. *Antibody:* Rabbit anti-BRCA1 recombinant monoclonal antibody [BLR319M] (A700-319) or isotype control (unshaded). *Secondary:* DyLight® 650-conjugated goat anti-rabbit IgG (A120-101D5).

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