

BRCA1 recombinant antibody

Rabbit anti-BRCA1 Recombinant Monoclonal Antibody [BLR319M]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213708	Rabbit	Mouse	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

BRCA1; Monoclonal Recombinant Antibody; Rabbit anti-BRCA1 Recombinant Monoclonal Antibody [BLR319M]; breast cancer associated 1; breast cancer type 1 susceptibility protein homolog; RING-type E3 ubiquitin transferase BRCA1; Breast cancer type 1 susceptibility protein homolog; breast cancer 1; early onset; BRCA1 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Clone Number	BLR319M
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Phosphate Buffered Saline (PBS) with 0.09% Sodium Azide, BSA-Free
Concentration	1000ug/ml (varies by lot)
Applicable Applications for BRCA1 recombinant antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 525 and 575
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of mouse BRCA1 by western blot. Samples: Whole cell lysate (50 ug) from J774A1 and CT26 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-BRCA1 recombinant monoclonal antibody (AAA213708 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-COPB2 antibody .



WB (Western Blot)

Detection of mouse BRCA1 by western blot. Samples: Whole cell lysate (50 ug) from mouse fibroblast BRCA1 delta11/delta11(S12) and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-BRCA1 recombinant monoclonal antibody (AAA213708 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-COPB2 antibody .



IP (Immunoprecipitation)

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 (AAA213708 lot 1) used at 6 ul per reaction. For blotting immunoprecipitated BRCA1, AAA213708 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 30 seconds.



FCM/FACS (Flow Cytometry)

Detection of mouse BRCA1 (shaded) in NIH3T3 cells by flow cytometry. Antibody: Rabbit anti-BRCA1 recombinant monoclonal antibody (AAA213708) or isotype control (unshaded). Secondary: DyLight 650-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for BRCA1 recombinant antibody	BRCA1 was identified as a gene with germline mutations that predisposes women to breast and ovarian cancer. The BRCA1 tumor suppressor is a large protein that has been demonstrated to interact with a multitude of proteins involved in the DNA damage response and cell cycle checkpoints to maintain genomic integrity. BRCA1 functions by regulating the activities of its interacting proteins which mediate processes such as gene transcription, gene repression, protein phosphorylation, and ubiquitination.
Product Categories/Family for BRCA1 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	161016835
NCBI GeneID	12189
NCBI Accession #	NP_033894.3
NCBI GenBank Nucleotide #	NM_009764.3
UniProt Accession #	P48754; Q60957; Q60983; A2A4Q4
Molecular Weight	198,795 Da
NCBI Official Full Name	breast cancer type 1 susceptibility protein homolog
NCBI Official Synonym Full Names	breast cancer 1, early onset
NCBI Official Symbol	Brca1
NCBI Protein Information	breast cancer type 1 susceptibility protein homolog
UniProt Protein Name	Breast cancer type 1 susceptibility protein homolog
UniProt Gene Name	Brca1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/brca1-recombinant-antibody-clone-blr319m-flow-cytometry-immunoprecipitation-western-blot-elisa/213708>