

Rabbit anti-Human BRCA1 Polyclonal Antibody | anti-BRCA1 antibody

Rabbit anti-Phospho BRCA1 (S1280) Antibody, Affinity Purified

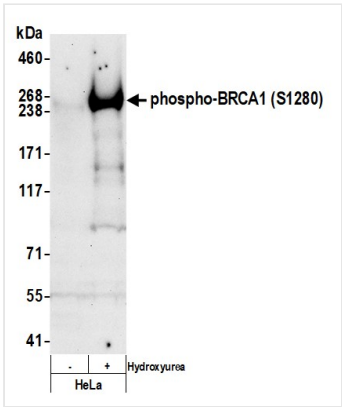
CATALOG # AAA210718	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

BRCA1; Polyclonal Antibody; Rabbit anti-Phospho BRCA1 (S1280) Antibody; Affinity Purified; Phospho (S1280); IRIS; RING-type E3 ubiquitin transferase BRCA1; BRCA1; RING finger protein 53; RNF53; PSCP; protein phosphatase 1; regulatory subunit 53; PPP1R53; PNCA4; BRCA1/BRCA2-containing complex; subunit 1; breast and ovarian cancer susceptibility protein 1; BRCC1; breast cancer 1; early onset; breast cancer type 1 susceptibility protein; BROVCA1; early onset breast cancer 1; Fanconi anemia; complementation group S; FANCS; Breast cancer type 1 susceptibility protein; DNA repair associated; anti-BRCA1 antibody

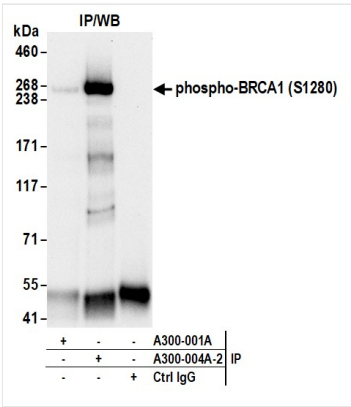
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-BRCA1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Monkey, Chimpanzee
Immunogen	Surrounding serine 1280
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human phospho-BRCA1 (S1280) by western blot. Samples: Whole cell lysate (50 ug) from HeLa cells untreated (-) or treated (+) with Hydroxyurea. Antibody: Affinity purified rabbit anti-phospho-BRCA1 (S1280) antibody (AAA210718 lot 2) used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human phospho-BRCA1 (S1280) by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells treated with Hydroxyurea. Antibodies: Affinity purified rabbit anti-phospho-BRCA1 (S1280) antibody (AAA210718 lot 2) used for IP at 6 ug per reaction. Phospho-BRCA1 (S1280) was also immunoprecipitated by a second phospho-BRCA1 antibody. For blotting immunoprecipitated phospho-BRCA1 (S1280), AAA210718 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-BRCA1 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 anti-BRCA1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	6552299
NCBI GeneID	672
NCBI Accession #	NP_009225.1
NCBI GenBank Nucleotide #	NM_007294.3
UniProt Accession #	P38398; O15129; Q3LRJ0; Q3LRJ6; Q6IN79; Q7KYU9
Molecular Weight	207,721 Da
NCBI Official Full Name	breast cancer type 1 susceptibility protein isoform 1
NCBI Official Synonym Full Names	breast cancer 1, early onset
NCBI Official Symbol	BRCA1
NCBI Official Synonym Symbols	IRIS; PSCP; BRCAI; BRCC1; PNCA4; RNF53; BROVCA1; PPP1R53
NCBI Protein Information	breast cancer type 1 susceptibility protein; RING finger protein 53; BRCA1/BRCA2-containing complex, subunit 1; protein phosphatase 1, regulatory subunit 53; breast and ovarian cancer susceptibility protein 1; breast and ovarian cancer susceptibility pr
UniProt Protein Name	Breast cancer type 1 susceptibility protein
UniProt Gene Name	BRCA1
UniProt Synonym Gene Names	RNF53

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/polyclonal/brca1-antibody-immunoprecipitation-western-blot-elisa/210718>