

Rabbit BRCA1-S988 Antibody | anti-BRCA1 antibody

Phospho-BRCA1-S988 Polyclonal Antibody

CATALOG # AAA37381	HOST Rabbit	APPLICATIONS Immunocytochemistry, Immunofluorescence
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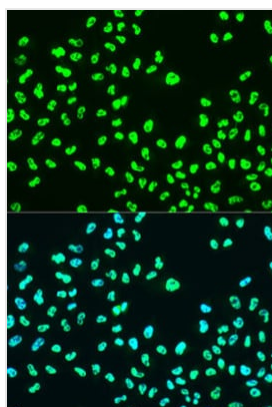
PRODUCT SYNONYMS

BRCA1-S988; Phospho-BRCA1-S988 Polyclonal Antibody; Phospho-BRCA1-S988: IRIS; PSCP; BRCA1; BRCC1; PNCA4; RNF53; BROVCA1; PPP1R53; anti-BRCA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Sequence Length	1863
Applicable Applications for anti-BRCA1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence)
species Reactivity / Cross Reactivity	Human
Immunogen	A synthetic phosphorylated peptide around S988 of human BRCA1 (NP_009225.1).
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using Phospho-BRCA1-S988 antibody (AAA37381) at dilution of 1:100. Blue: DAPI for nuclear staining.

ADDITIONAL INFORMATION

Related Product Information for anti-BRCA1 antibody	This gene encodes a nuclear phosphoprotein that plays a role in maintaining genomic stability, and it also acts as a tumor suppressor. The encoded protein combines with other tumor suppressors, DNA damage sensors, and signal transducers to form a large multi-subunit protein complex known as the BRCA1-associated genome surveillance complex (BASC). This gene product associates with RNA polymerase II, and through the C-terminal domain, also interacts with histone deacetylase complexes. This protein thus plays a role in transcription, DNA repair of double-stranded breaks, and recombination. Mutations in this gene are responsible for approximately 40% of inherited breast cancers and more than 80% of inherited breast and ovarian cancers. Alternative splicing plays a role in modulating the subcellular localization and physiological function of this gene. Many alternatively spliced transcript variants, some of which are disease-associated mutations, have been described for this gene, but the full-length natures of only some of these variants has been described. A related pseudogene, which is also located on chromosome 17, has been identified.
Product Categories/Family for anti-BRCA1 antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	728984
NCBI GeneID	672
UniProt Accession #	P38398; O15129; Q1RMC1; Q3LRJ0; Q3LRJ6; Q6IN79; Q7KYU9
Molecular Weight	Calculated MW: 7kDa/78-85kDa/202-210kDa
NCBI Official Full Name	Breast cancer type 1 susceptibility protein
NCBI Official Synonym Full Names	breast cancer 1, early onset
NCBI Official Symbol	BRCA1
NCBI Official Synonym Symbols	IRIS; PSCP; BRCAI; BRCC1; FANCS; PNCA4; RNF53; BROVCA1; PPP1R53
NCBI Protein Information	breast cancer type 1 susceptibility protein; RING finger protein 53; Fanconi anemia, complementation group S; BRCA1/BRCA2-containing complex, subunit 1; protein phosphatase 1, regulatory subunit 53; breast and ovarian cancer susceptibility protein 1; breast and ovarian cancer susceptibility protein 1
UniProt Protein Name	Breast cancer type 1 susceptibility protein
UniProt Gene Name	BRCA1
UniProt Synonym Gene Names	RNF53
UniProt Entry Name	BRCA1_HUMAN

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.