

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

BRCA1 (Phospho-Ser1423) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303049	Rabbit	Human	Immunohistochemistry, Western Blot

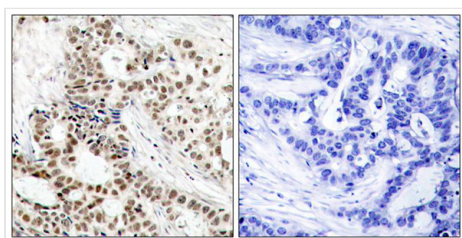
PRODUCT SYNONYMS

BRCA1; Polyclonal Antibody; BRCA1 (Phospho-Ser1423) Antibody; RNF53; anti-BRCA1 antibody

PRODUCT SPECIFICATIONS

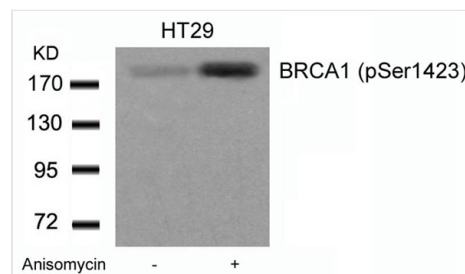
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of BRCA1 only when phosphorylated at serine 1423.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	1863
Applicable Applications for anti-BRCA1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 1423 (H-G-S(p)-Q-P) derived from Human BRCA1.
Modification	Phospho-Ser1423
Target Name	BRCA1
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BRCA1(Phospho-Ser1423) Antibody (left) or the same antibody preincubated with blocking peptide(right).



WB (Western Blot)

Western blot analysis of extracts from HT29 cells untreated or treated with Anisomycin using BRCA1(Phospho-Ser1423) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BRCA1 antibody	The BRCA1-BARD1 heterodimer coordinates a diverse range of cellular pathways such as DNA damage repair, ubiquitination and transcriptional regulation to maintain genomic stability. Acts by mediating ubiquitin E3 ligase activity that is required for its tumor suppressor function. Plays a central role in DNA repair by facilitating cellular response to DNA repair. Required for appropriate cell cycle arrests after ionizing irradiation in both the S-phase and the G2 phase of the cell cycle. Involved in transcriptional regulation of P21 in response to DNA damage. Required for FANCD2 targeting to sites of DNA damage. May function as a transcriptional regulator. Inhibits lipid synthesis by binding to inactive phosphorylated ACACA and preventing its dephosphorylation
Product Categories/Family for anti-BRCA1 antibody	Phospho-specific Ab

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; Q1RMC1; Q3LRJ0; Q3LRJ6; Q6IN79; Q7KYU9; E9PFZ0
Molecular Weight	202,342 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; FANCS; PNCA4; RNF53; BROVCA1; PPP1R53
NCBI Protein Information	breast cancer type 1 susceptibility protein
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/brca1-antibody-immunohistochemistry-western-blot-elisa/303049>