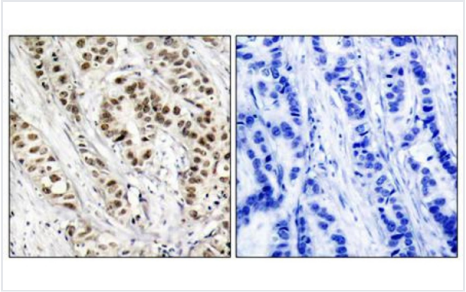
BRCA1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BRCA1, Polyclonal Antibody
Full Product Name	BRCA1 Antibody (Ser1524)
Product Gene Name	anti-BRCA1 antibody
Product Synonym Names	Rabbit Polyclonal BRCA1 Antibody (Ser1524); Polyclonal BRCA1 antibody; Anti-BRCA1 antibody; BRCA1 antibody; BRCA1/BRCA2-containing complex subunit 1 antibody; BRCAI antibody; BRCC1 antibody; breast and ovarian cancer susceptibility protein 1 antibody; breast and ovarian cancer sususceptibility protein antibody; breast cancer 1 early onset antibody; Breast cancer type 1 susceptibility protein antibody; BROVCA1 antibody; IRIS antibody; PSCP antibody; RING finger protein 53 antibody; RNF53 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied in PBS buffer (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol
Purity/Purification	Affinity Chromatography
Concentration	1 mg/ml (lot specific)
Specificity	BRCA1 antibody (Ser1524) detects endogenous levels of BRCA1 only when phosphorylated at serine 1524
Preparation and Storage	Store at -20 degree C in small aliquots. Avoid repeat freeze/thaw cycles.
Immunogen	BRCA1 antibody was raised in Rabbit using a synthesized phosphopeptide derived from human BRCA1 around the phosphorylation site of serine 1524 (Y-P-SP-Q-E) as the immunogen.
Product Categories/Family for anti-BRCA1 antibody	Cancer
Applications Tested/Suitable for anti-BRCA1 antibody	Immunohistochemistry (IHC)
Application Notes for anti-BRCA1 antibody	IHC: 1:50-1:100
Related Product Information for anti-BRCA1 antibody	BRCA1 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.
Other Notes	Small volumes of anti-BRCA1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BRCA1 purchase	MBS5313560 is an antibody targeting BRCA1. Also known as BRCA1 Antibody (Ser1524). Host: Rabbit.



Immunohistochemistry (IHC) of anti-BRCA1 antibody
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BRCA1 antibody (Ser1524)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRCA1. It may not necessarily be applicable to this product.

NCBI GI #	1698399
NCBI GeneID	672
UniProt Related Accession #	P38398
NCBI Official Full Name	BRCA1
NCBI Official Synonym Full Names	BRCA1 DNA repair associated
NCBI Official Symbol	BRCA1
NCBI Official Synonym Symbols	IRIS; PSCP; BRCAI; BRCC1; FANCS; PNCA4; RNF53; BROVCA1; PPP1R53
Protein Family	Breast cancer type 1 susceptibility protein
NCBI Protein Information	breast cancer type 1 susceptibility protein
NCBI Summary for BRCA1	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. [provided by RefSeq, May 2009]
Research Articles on BRCA1	**1.** Five per cent of unselected Asian patients with breast cancer carry deleterious variants in BRCA1 in Malaysia.
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