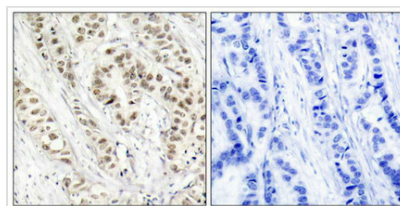




Phospho-BRCA1 (Ser1524) Antibody

Product Code	CSB-PA596474
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P38398
Immunogen	Peptide sequence around phosphorylation site of serine 1524 (Y-P-S(p)-Q-E) derived from Human BRCA1.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous level of BRCA1 only when phosphorylated at serine 1524.
Tested Applications	ELISA,IHC;IHC:1:50-1:100
Relevance	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 Lin SY, et al. (2004) Proc Natl Acad Sci U S A, 101(17): 6484-6489 Zhang J, et al. (2004) Mol Cell Biol; 24(2): 708-718 Beger C, et al. (2001) Proc Natl Acad Sci U S A; 98(1): 130-135 Gardner K, et al. (2001) Breast Cancer Res; 3(1): 11-13 Zheng L, et al. (2001) Proc Natl Acad Sci U S A; 98(17): 9587-9592
Form	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.
Purification Method	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
Clonality	Polyclonal
Alias	RNF53
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	BRCA1
Image	



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BRCA1(Phospho-Ser1524) Antibody(left) or the same antibody preincubated with blocking peptide(right).

Product Modify

Phospho-Ser1524