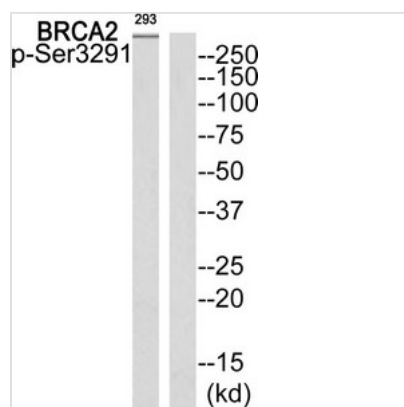




Phospho-BRCA2 (Ser3291) Antibody

Product Code	CSB-PA079435
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P51587
Immunogen	Peptide sequence around phosphorylation site of Serine 3291 (F-V-S(p)-P-A) derived from Human BRCA2.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of BRCA2 only when phosphorylated at serine 3291.
Tested Applications	ELISA,WB;WB:1:500-1:1000
Relevance	Involved in double-strand break repair and/or homologous recombination. Binds RAD51 and potentiates recombinational DNA repair by promoting assembly of RAD51 onto single-stranded DNA (ssDNA). Acts by targeting RAD51 to ssDNA over double-stranded DNA, enabling RAD51 to displace replication protein-A (RPA) from ssDNA and stabilizing RAD51-ssDNA filaments by blocking ATP hydrolysis. Part of a PALB2-scaffolded HR complex containing RAD51C and which is thought to play a role in DNA repair by HR. May participate in S phase checkpoint activation. Binds selectively to ssDNA, and to ssDNA in tailed duplexes and replication fork structures. Wooster R., Nature 378:789-792(1995). Tavtigian S.V., Nat. Genet. 12:333-337(1996). Dunham A., Nature 428:522-528(2004).
Form	Rabbit IgG 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	BRCC2; BRCA2; subunit 2; BRCA1/BRCA2-containing complex;
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	BRCA2
Image	



Western blot analysis of extracts from 293 cells using BRCA2 (Phospho-Ser3291) Antibody. The lane on the right is treated with the antigen-specific peptide.

Product Modify

Phospho-Ser3291