ELK Biotechnology

BRCA2 (phospho Ser3291) rabbit pAb

Cat No.:ES7289

For research use only

Overview

Product Name	BRCA2 (phospho Ser3291) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human BRCA2 (phospho Ser3291)
Specificity	Phospho-BRCA2 (S3291) Polyclonal Antibody detects endogenous levels of BRCA2 protein only when phosphorylated at S3291.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	Breast cancer type 2 susceptibility protein
Gene Name	BRCA2
Cellular localization	Nucleus . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Colocalizes with ERCC5/XPG to nuclear foci following DNA replication stress. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	385kD
Human Gene ID	675
Human Swiss-Prot Number	P51587
Alternative Names	BRCA2; FACD; FANCD1; Breast cancer type 2 susceptibility protein; Fanconi anemia group D1 protein
Background	Inherited mutations in BRCA1 and this gene, BRCA2,

confer increased lifetime risk of developing breast or ovarian cancer. Both BRCA1 and BRCA2 are involved in maintenance of genome stability, specifically the homologous recombination pathway for double-strand DNA repair. The BRCA2 protein contains several copies of a 70 aa motif called the BRC motif, and these motifs mediate binding to the RAD51 recombinase which functions in DNA repair. BRCA2 is considered a tumor suppressor gene, as tumors with BRCA2 mutations generally exhibit loss of heterozygosity (LOH) of the wild-type allele. [provided by RefSeq, Dec 2008],