

bs-3014R**[Primary Antibody]****phospho-BRCA1 (Ser1524) Rabbit pAb**

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— DATASHEET —

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| Host: Rabbit | Isotype: IgG | Applications: ELISA (1:5000-10000) |
| Clonality: Polyclonal | | Reactivity: Human |
| GeneID: 672 | SWISS: P38398 | |
| Target: BRCA1 (Ser1524) | | |
| Immunogen: KLH conjugated Synthesised phosphopeptide derived from human BRCA1 around the phosphorylation site of Ser1524: YP(p-S)QE. | | Predicted MW.: 205 kDa |
| Purification: affinity purified by Protein A | | Subcellular Location: Cytoplasm ,Nucleus |
| Concentration: 1mg/ml | | |
| Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. | | |
| Background: 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]. | | |