

## CABP0318

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**Product Information**

<b>Product SKU:</b>	CABP0318	<b>Gene ID:</b>	672	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	-	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Human

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**Additional Information**

<b>Observed MW:</b>	Refer to figures	<b>Conjugate:</b>	Unconjugated
<b>Calculated MW:</b>	208kDa	<b>Isotype:</b>	IgG

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**Immunogen Information**

**Background:** This gene encodes a 190 kD nuclear phosphoprotein that plays a role in maintaining genomic stability, and it also acts as a tumor suppressor. The BRCA1 gene contains 22 exons spanning about 110 kb of DNA. 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.

**Recommended Dilution:** IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200

**Synonyms:** IRIS; PSCP; BRCAI; BRCC1; FANCS; PNCA4; RNF53; BROVCA1; PPP1R53; Phospho-BRCA1-S988

**Purification Method:** Affinity purification

**Immunogen:** A synthetic phosphorylated peptide around S988 of human BRCA1 (NP\_009225.1).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.