

A11318

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## BRCA1 Rabbit pAb

Catalog No.: A11318

### Basic Information

#### Observed MW

Refer to figures

#### Calculated MW

208kDa

#### Category

Polyclonal Antibody

#### Applications

IF/ICC,ELISA

#### Cross-Reactivity

Human,Mouse,Rat

### 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 Dilutions

IF/ICC 1:50 - 1:200

### Immunogen Information

#### Gene ID

672

#### Swiss Prot

P38398

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 400-699 of human BRCA1 (NP\_009225.1).

#### Synonyms

IRIS; PSCP; BRCAI; BRCC1; FANCS; PNCA4; RNF53; BROVCA1; PPP1R53; BRCA1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

Affinity purification

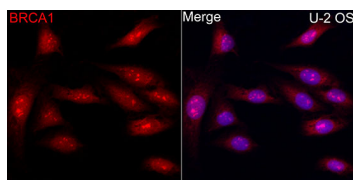
#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Immunofluorescence analysis of U2OS cells using BRCA1 Rabbit pAb (A11318) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.