

## Rabbit BRCA1 Polyclonal Antibody | anti-BRCA1 antibody

BRCA1 antibody

|                               |                       |                                                           |
|-------------------------------|-----------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA224948</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------|

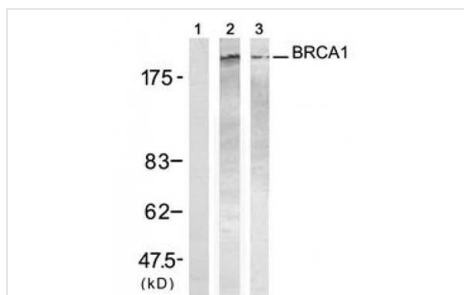
### PRODUCT SYNONYMS

BRCA1; Polyclonal Antibody; BRCA1 antibody; Rabbit polyclonal BRCA1 antibody; Polyclonal BRCA1 antibody; Anti-BRCA1 antibody; BRCA 1 antibody; BRCA 1; BRCA-1; Ab 1423 antibody; BRCA-1 antibody; Breast cancer 1 early onset antibody; anti-BRCA1 antibody

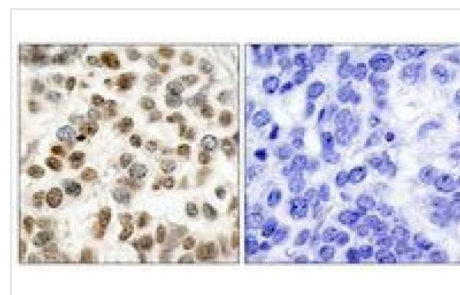
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                    |
| Purity/Purification                             | Purified by immunoaffinity chromatography.                                                                                                    |
| Form/Format                                     | Liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mm NaCl, 0.02% sodium azide and 50% glycerol.                                        |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                                                                       |
| Sequence Length                                 | 1863                                                                                                                                          |
| Applicable Applications for anti-BRCA1 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                 |
| Immunogen                                       | BRCA1 antibody was raised in Rabbit using the peptide sequence around aa 1421~1425 (H-G-S-Q-P) derived from Human BRCA1 as the immunogen.     |
| Cross-Reactivity                                | Human, Mouse, Rat                                                                                                                             |
| Preparation and Storage                         | Store at 4 degree C for short term storage.<br>Aliquot and store at -20 degree C for long term storage.<br>Avoid repeated freeze/thaw cycles. |

### IMAGES


**WB (Western Blot)**

Western Blot analysis of extracts from HeLa and HT29 cells using BRCA1 antibody


**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BRCA 1 antibody (left) or the same antibody preincubated with with blocking peptide (right)

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-BRCA1 antibody | BRCA1 is a human caretaker gene that produces a protein called breast cancer type 1 susceptibility protein, responsible for repairing DNA. The first evidence for the existence of the gene was provided by the King laboratory at UC Berkeley in 1990. The gene was later cloned in 1994 by scientists at Myriad Genetics. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 1698399                                                         |
| NCBI GeneID                      | 672                                                             |
| Molecular Weight                 | 202,342 Da                                                      |
| NCBI Official Full Name          | BRCA1                                                           |
| NCBI Official Synonym Full Names | BRCA1, DNA repair associated                                    |
| NCBI Official Symbol             | BRCA1                                                           |
| NCBI Official Synonym Symbols    | IRIS; PSCP; BRCAI; BRCC1; FANCS; PNCA4; RNF53; BROVCA1; PPP1R53 |
| NCBI Protein Information         | breast cancer type 1 susceptibility protein                     |
| UniProt Protein Name             | Breast cancer type 1 susceptibility protein                     |
| UniProt Gene Name                | <b>BRCA1</b>                                                    |
| UniProt Synonym Gene Names       | RNF53                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.