

## Rabbit BRCA1 Polyclonal Antibody | anti-BRCA1 antibody

Rabbit anti-BRCA1 (pS1423) Antibody

| CATALOG # | HOST   | REACTIVITY         | APPLICATIONS                                           |
|-----------|--------|--------------------|--------------------------------------------------------|
| AAA222803 | Rabbit | Human, Rat, Monkey | Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

BRCA1; Polyclonal Antibody; Rabbit anti-BRCA1 (pS1423) Antibody; RNF53; Breast cancer type 1 susceptibility protein; RING finger protein 53; anti-BRCA1 antibody

### PRODUCT SPECIFICATIONS

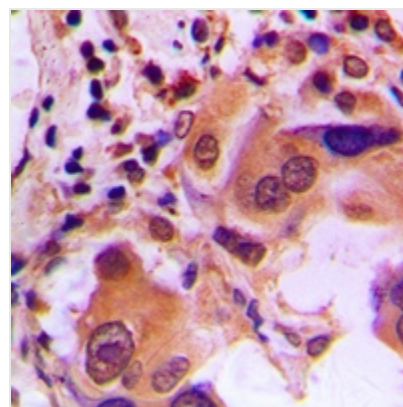
|                                                 |                                                                                                                                               |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                        |
| Reactivity                                      | Human, Rat, Monkey                                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                                                    |
| Purity/Purification                             | The antibody was purified by immunogen affinity chromatography.                                                                               |
| Form/Format                                     | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                     |
| Concentration                                   | 1mg/mL (varies by lot)                                                                                                                        |
| Applicable Applications for anti-BRCA1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                        |
| Immunogen                                       | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human BRCA1 (pS1423). The exact sequence is proprietary. |
| Preparation and Storage                         | Store at -20 degree C. Avoid repeated freeze/thaw cycles.                                                                                     |

### IMAGES



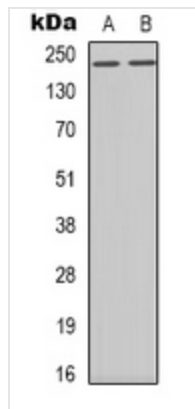
#### IF (Immunofluorescence)

Immunofluorescent analysis of BRCA1 (pS1423) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of BRCA1 (pS1423) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of BRCA1 (pS1423) expression in Hela UV-treated (A), K562 UV-treated (B) whole cell lysates.

### ADDITIONAL INFORMATION

Product Categories/Family for anti-BRCA1 antibody

Primary antibodies

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6552299                                                                                                                                                                                                                                                       |
| NCBI GeneID                      | 672                                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_009225.1                                                                                                                                                                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_007294.3                                                                                                                                                                                                                                                   |
| UniProt Accession #              | P38398; Rat:O54952                                                                                                                                                                                                                                            |
| Molecular Weight                 | 207,721 Da                                                                                                                                                                                                                                                    |
| NCBI Official Full Name          | breast cancer type 1 susceptibility protein isoform 1                                                                                                                                                                                                         |
| NCBI Official Synonym Full Names | breast cancer 1, early onset                                                                                                                                                                                                                                  |
| NCBI Official Symbol             | BRCA1                                                                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | IRIS; PSCP; BRCAI; BRCC1; PNCA4; RNF53; BROVCA1; PPP1R53                                                                                                                                                                                                      |
| NCBI Protein Information         | breast cancer type 1 susceptibility protein; RING finger protein 53; BRCA1/BRCA2-containing complex, subunit 1; protein phosphatase 1, regulatory subunit 53; breast and ovarian cancer susceptibility protein 1; breast and ovarian cancer susceptibility pr |
| UniProt Protein Name             | Breast cancer type 1 susceptibility protein                                                                                                                                                                                                                   |
| UniProt Gene Name                | <b>BRCA1</b>                                                                                                                                                                                                                                                  |
| UniProt Synonym Gene Names       | RNF53                                                                                                                                                                                                                                                         |
| UniProt Entry Name               | BRCA1_HUMAN                                                                                                                                                                                                                                                   |

**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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/brca1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/222803>