

AP00320PU-N**Polyclonal Antibody to BRCA1 / RNF53 pSer1189 - Aff - Purified****Alternate names:**

Breast cancer type 1 susceptibility protein, RING finger protein 53

Quantity:

0.1 mg

Concentration:

0.5 mg/ml

Background:

BRCA1 is a breast cancer susceptibility gene that was localized to chromosome 17q. Mutations within this gene are believed to account for approximately 45% of families with high incidence of breast cancer and at least 80% of families with increased incidence of both earlyonset breast cancer and ovarian cancer. The BRCA1 gene is expressed in numerous tissues, including breast and ovary, and encodes a predicted protein of 1863 amino acids. Like many other genes involved in familial cancer, BRCA1 appears to encode a tumor suppressor, a protein that acts as a negative regulator of tumor growth.

Uniprot ID:[P38398](#)**NCBI:**[NP_009225.1](#)**GeneID:**[672](#)**Host:**

Rabbit

Immunogen:

Phosphorylated synthetic peptide surrounding Serine 1189 of human BRCA1.

Format:**State:** Liquid purified Ig**Purification:** Peptide affinity purified**Buffer System:** PBS pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal**Applications:**

Western Blot: 1-2 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Detect BRCA1 when phosphorylated at Ser1189.

Species: Human.

Other species not tested.

Storage:

Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.