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**anti-BRCA2**

Cat #: HM1041  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

BRCA2 is a second breast cancer susceptibility gene that confers a substantially elevated risk of breast cancer. But unlike BRCA1, BRCA2 does not confer a substantially elevated risk of ovarian cancer. BRCA1 and BRCA2 have transcriptional activation potential and the two proteins are associated with the activation of double-strand break repair and/or homologous recombination. The two proteins coexist and colocalize in a biochemical complex.

**SPECIFICITY**

This antibody specifically reacts with BRCA2 of rat, mouse and human origin; non cross-reactive with BRCA1.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

**IMMUNOGEN**

A synthetic peptide derived from C-terminus of human BRCA2 protein.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCE**

1. Wooster, R., Neuhausen et al. 1994. Localization of a breast cancer susceptibility gene, BRCA2, to chromosome 13q12-13. *Science* 265: 2088-2090.
2. Wooster, R., Bignell, G., Lancaster, J., Swift, S., Seal, S., Mangion, J., Collins, N., Gregory, S., Gumbs, C. and Micklem, G. 1995. Identification of the breast cancer susceptibility gene BRCA2. *Nature* 378: 789-792.
3. Yang, H., Jeffrey, P.D., Miller, J., Kinnucan, E., Sun, Y., Thoma, N.H., Zheng, N., Chen, P.L., Lee, W.H. and Pavletich, N.P. 2002. BRCA2 function in DNA binding and recombination from a BRCA2-DSS1-ssDNA structure. *Science* 297: 1837-1848.
4. Wong, J.M., Ionescu, D. and Ingles, C.J. 2003. Interaction between BRCA2 and replication protein A is compromised by a cancer-predisposing mutation in BRCA2. *Oncogene* 22: 28-33.

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