

BRCA1 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 3301

Size: 100 ug or 200 ug Protein G-purified antibody in PBS, pH 7.4

SPECIFICATION SUMMARY

Antigen: GST fusion protein expressed in *E. coli* corresponding to aa 341-748 of full-length BRCA1.

Host Species: Mouse

Antibody Class: IgG1/ κ

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes full-length BRCA1, a 220 kD nuclear phosphoprotein. In a high proportion of breast and ovarian cancer cell lines, BRCA1 aberrantly mislocates to the cytoplasm. Its usefulness to monitor functional inactivation of BRCA1 in sporadic breast cancers is under active investigation.

APPLICATIONS

Immunoblotting: use at 1-10 ug/ml.

Immunoprecipitation: use at 1-10 ug/ml.

Positive controls: Any normal human tissue, especially those containing rapidly proliferating cells, such as lymphoid germinal centers.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -70°C. Avoid multiple freeze-thaw cycles.

REFERENCE

Chen, Y et al. (1995) *Science* 270: 789-791; Chen, C-F et al. (1995) *J Biol Chem* 271: 32863-32868; Chen, Y et al. (1996) *Cancer Res* 56: 3168-3172.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.