

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## BRCA1 Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 3302

**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 762-1315 of full-length BRCA1.

**Host Species:** Mouse

**Antibody Class:** IgG1/ $\kappa$

**Stabilizers:** None

**Preservatives:** None. Available on request.

### SPECIFICITY

This antibody recognizes full-length BRCA1, a 220 kD nuclear phosphoprotein, and does not recognize the  $\Delta$ exon 11 splice variant. 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.

*Immunohistochemistry:* 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  $-70^{\circ}\text{C}$ . 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*