

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Rad51 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56214

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

SPECIFICATION SUMMARY

Antigen: GST fusion protein corresponding to full-length Rad51 (aa 1-338) of human Rad51 expressed in *E. coli*.

Host Species: Mouse

Antibody Class: IgG2b/ κ

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human Rad51, a 37 kD protein that interacts with BRCA1. This interaction is important for tumor suppression. BRCA2 and Rad51 have also been shown to interact via the BRC repeats located with exon 11 of BRCA2. When these repeats are deleted, the interaction is lost, and cells become hypersensitive to DNA damage caused by methyl methanesulfonate (MMS).

APPLICATIONS

Immunoblotting, immunoprecipitation: use at 1-5 ug/ml.

Positive control: T24 bladder carcinoma cells and recombinant fusion protein.

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.

REFERENCES

Shinohara, A et al. 1993. Nature Genetics 4: 239-243; Scully, R et al. 1997. Cell 88: 265-275; Chen, PL et al. 1998. PNAS (USA) 95: 5287-5292.

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