

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

ATM Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 3310

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 2577-3056 of full-length ATM.

Host Species: Mouse

Antibody Class: IgG1/ κ

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes full-length ATM, a 370 kD nuclear phosphoprotein, which is involved in the autoal recessive disease ataxia telangiectasia (AT). ATM belongs to a novel family of proteins associated with cell cycle regulation and response to DNA repair. The C-terminal region has extensive homology to the catalytic domains of phosphatidylinositol 3-kinases (PI3 kinases). Its usefulness to monitor altered ATM expression in cancer is under active investigations.

APPLICATIONS

Immunoblotting: use at 1-10 ug/ml.

Immunoprecipitation: use at 1-10 ug/ml.

Positive controls: Raji or Akata cells.

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, G and EY-HP Lee (1996) J Biol Chem 271: 33693-33697.

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