

## 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/ $\kappa$

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