

## ATM Monoclonal Antibody

### Description

|                                |  |
|--------------------------------|--|
| <b>Product type</b>            | Antibody   |
| <b>Code</b>                    | BT-MCA3751   |
| <b>Host</b>                    | Mouse  |
| <b>Isotype</b>                 | Mouse IgG2a  |
| <b>Size</b>                    | 100µL, 50µL  |
| <b>Immunogen</b>               | Purified recombinant fragment of human ATM (AA: 2577-3056) expressed in E. Coli. |
| <b>Mol wt</b>                  | 350.7kDa   |
| <b>Species reactivity</b>      | N/A  |
| <b>Clonality</b>               | Monoclonal   |
| <b>Recommended application</b> | IHC,FCM  |
| <b>Concentration</b>           | N/A  |
| <b>Full name</b>               | N/A  |
| <b>Synonyms</b>                | AT1;ATA;ATC;ATD;ATE;ATDC;TEL1;TELO1  |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The protein encoded by this gene belongs to the PI3/PI4-kinase family. This protein is an important cell cycle checkpoint kinase that phosphorylates; thus, it functions as a regulator of a wide variety of downstream proteins, including tumor suppressor proteins p53 and BRCA1, checkpoint kinase CHK2, checkpoint proteins RAD17 and RAD9, and DNA repair protein NBS1. This protein and the closely related kinase ATR are thought to be master controllers of cell cycle checkpoint signaling pathways that are required for cell response to DNA damage and for genome stability. Mutations in this gene are associated with ataxia telangiectasia, an autosomal recessive disorder.

### Recommended Dilution

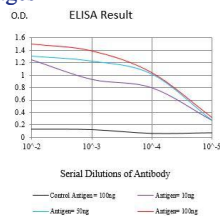
IHC-p: 1:200 - 1:1000

FCM: 1:200 - 1:400

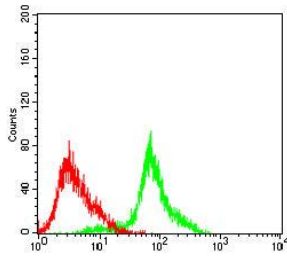
ELISA: 1:10000

Not yet tested in other applications.

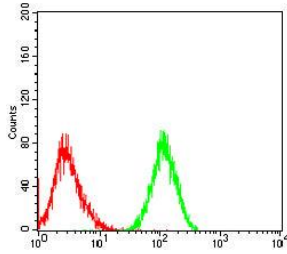
### Images



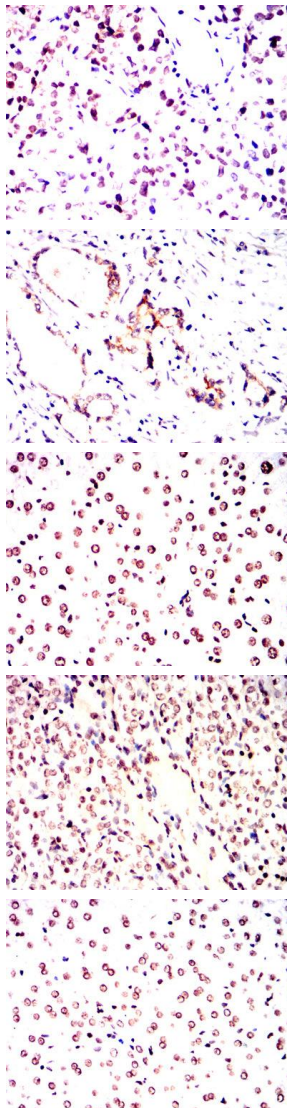
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Flow cytometric analysis of HeLa cells using ATM mouse mAb (green) and negative control (red).



Flow cytometric analysis of COS-7 cells using ATM mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded bladder tissues using ATM mouse mAb with DAB staining.

Immunohistochemical analysis of paraffin-embedded gastric cancer tissues using ATM mouse mAb with DAB staining.

Immunohistochemical analysis of paraffin-embedded Mouse liver tissues using ATM mouse mAb with DAB staining.

Immunohistochemical analysis of paraffin-embedded Rat kidney tissues using ATM mouse mAb with DAB staining.

Immunohistochemical analysis of paraffin-embedded Rabbit liver tissues using ATM mouse mAb with DAB staining.

## Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)