

## Anti-ATM Rabbit Monoclonal Antibody

### Introduction

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.

### Product parameters

|                   |   |
|-------------------|---|
| Alternative Names | ATM; Serine-protein kinase ATM; Ataxia telangiectasia mutated; A-T mutated                        |
| Gene ID           | 472   |
| Gene Name         | ATM   |
| SwissProt ID      | Q13315  |
| Host              | Rabbit  |
| Reactivity        | Human, Mouse, Rat   |
| Molecular Weight  | Calculated MW: 351 kDa  |
| Conjugation       | Unconjugated  |
| Ex                | -   |
| Em                | -   |
| Modification      | Unmodified  |
| Clonality         | IgG   |
| Isotype           | Monoclonal Antibody   |
| Clonality No.     | AP-2H4G4  |
| Form              | Liquid  |
| Concentration     | See label   |
| Carrier           | Carrier Free  |
| Immunogen         | A synthesized peptide derived from human ATM  |
| Purification      | Affinity Chromatography   |
| Buffer System     | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Application       | WB, ICC/IF, FC, IP  |
| Dilution Ratio    | WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/80 FC: 1/50-1/100   |

|                    |                                   |
|--------------------|-----------------------------------|
| Research Field     | Epigenetics and Nuclear Signaling |
| Product Categories | Primary antibody                  |
| Shipping           | Blue ice                          |
| Storage            | -20°C                             |
| Expiration Date    | 12 months                         |
| Note               | Please avoid freeze-thaw cycles.  |



## Protocol

Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.





**APExBIO Technology**

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