

## Rabbit anti-Human ATM Monoclonal Antibody | anti-ATM antibody

ATM Rabbit mAb

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                          |
|-----------|--------|------------|-------------------------------------------------------|
| AAA269221 | Rabbit | Human      | Immunofluorescence, Immunocytochemistry, Western Blot |

### PRODUCT SYNONYMS

ATM; Monoclonal Antibody; ATM Rabbit mAb; Serine-protein kinase ATM; Ataxia telangiectasia mutated; A-T mutated; anti-ATM antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                 |
| Reactivity                                    | Human                                                                                                  |
| Clonality                                     | Monoclonal                                                                                             |
| Isotype                                       | IgG                                                                                                    |
| Clone Number                                  | R08-8H3                                                                                                |
| Purity/Purification                           | Affinity Purified                                                                                      |
| Form/Format                                   | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA                 |
| Applicable Applications for anti-ATM antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)                                  |
| Immunogen                                     | A synthetic peptide of human ATM                                                                       |
| Preparation and Storage                       | Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles. |

### IMAGES



#### ICC (Immunocytochemistry)

Immunocytochemistry analysis of ATM (green) in HT-1080 using ATM antibody, and DAPI (blue).



#### WB (Western Blot)

Western blot analysis of ATM in HeLa, 293 lysates using ATM antibody.

### ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ATM antibody | 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 Categories/Family for anti-ATM antibody   | Primary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------|
| NCBI GI #                        | 187951615                                                                                 |
| NCBI GeneID                      | 472                                                                                       |
| UniProt Accession #              | Q13315; O15429; Q12758; Q16551; Q93007; Q9NP02; Q9UCX7; B2RNX5                            |
| Molecular Weight                 | 350,714 Da                                                                                |
| NCBI Official Full Name          | Ataxia telangiectasia mutated                                                             |
| NCBI Official Synonym Full Names | ataxia telangiectasia mutated                                                             |
| NCBI Official Symbol             | ATM                                                                                       |
| NCBI Official Synonym Symbols    | AT1; ATA; ATC; ATD; ATE; ATDC; TEL1; TELO1                                                |
| NCBI Protein Information         | serine-protein kinase ATM; AT mutated; A-T mutated; TEL1, telomere maintenance 1, homolog |
| UniProt Protein Name             | Serine-protein kinase ATM                                                                 |
| UniProt Gene Name                | ATM                                                                                       |
| UniProt Synonym Gene Names       | A-T mutated                                                                               |
| UniProt Entry Name               | ATM_HUMAN                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/atm-antibody-clone-r08-8h3-immunofluorescence-immunocytochemistry-western-blot-elisa/269221>