

## Mouse anti-Human Atm Monoclonal Antibody | anti-Atm antibody

Atm Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS        |
|-----------|-------|------------|---------------------|
| AAA319958 | Mouse | Human      | ELISA, Western Blot |

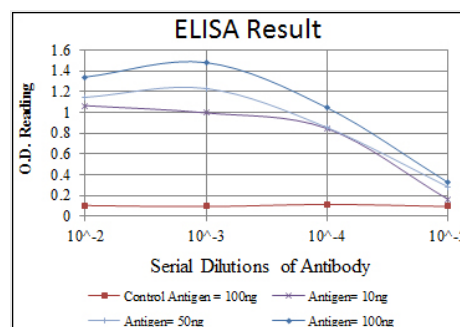
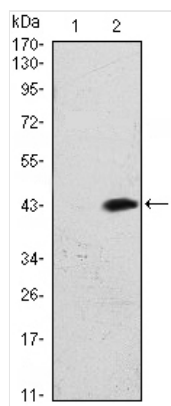
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                                               |                                                                         |
|-----------------------------------------------|-------------------------------------------------------------------------|
| Host                                          | Mouse                                                                   |
| Reactivity                                    | Human                                                                   |
| Clonality                                     | Monoclonal                                                              |
| Specificity                                   | Atm Monoclonal Antibody detects endogenous levels of Atm protein.       |
| Purity/Purification                           | Affinity purification                                                   |
| Form/Format                                   | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Applicable Applications for anti-Atm antibody | ELISA, WB (Western Blot)                                                |
| Immunogen                                     | Purified recombinant fragment of human Atm expressed in E coli.         |
| Modification                                  | Unmodified/Total                                                        |
| Preparation and Storage                       | Store at -20 degree C/1 year                                            |

### IMAGES



#### WB (Western Blot)

Western Blot analysis using Atm Monoclonal Antibody against HEK293 (1) and ATM-hlgFc transfected HEK293 (2) cell lysate.

Application Data

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. Mutations in this gene are associated with ataxia telangiectasia, an autosomal recessive disorder. [provided by RefSeq, Aug 2010] |
| Product Categories/Family for anti-Atm antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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.