

## ATM (Phospho-Ser1981) Rabbit mAb

Catalog No: #14136

Package Size: #14136-1 50ul #14136-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

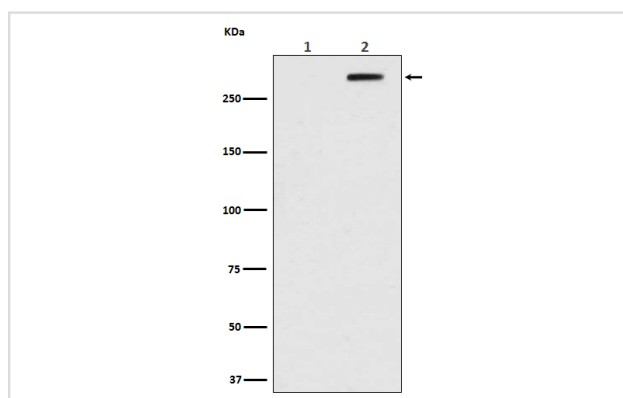
## Description

|                       |  |
|-----------------------|--|
| Product Name          | ATM (Phospho-Ser1981) Rabbit mAb   |
| Host Species          | Rabbit   |
| Clonality             | Monoclonal   |
| Isotype               | Rabbit IgG   |
| Purification          | Affinity-chromatography  |
| Applications          | WB IHC ICC/IF IP   |
| Species Reactivity    | Human  |
| Specificity           | Phospho-ATM (S1981) Antibody detects endogenous levels of total Phospho-ATM (S1981)                |
| Immunogen Description | A synthesized peptide derived from human Phospho-ATM (S1981)                                       |
| Other Names           | kinase ATM; Serine-protein kinase ATM  |
| Accession No.         | Uniprot:Q13315   |
| Uniprot               | Q13315   |
| Calculated MW         | 370kDa   |
| Formulation           | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at +4 $\Lambda$ C short term. Store at -20 $\Lambda$ C long term. Avoid freeze / thaw cycle. |

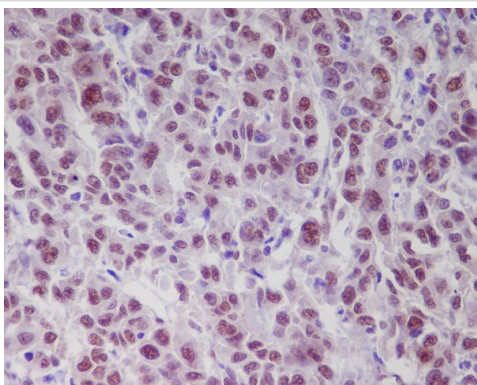
## Application Details

WB:1:500~1:2000IHC:1:50~1:200ICC/IF:1:50~1:200IP:1:50

## Images



Western blot analysis of Phospho-ATM (Ser1981) in (1) HEK293 cell lysate; (2) HEK293 cell lysate treated with Doxorubicin.



Immunohistochemical analysis of paraffin-embedded human liver, using Phospho-ATM (S1981) Antibody.

## Product Description

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.

Note: This product is for in vitro research use only