

---

## Summary

<b>Production Name</b>	ATM (9F7) Mouse Monoclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC-P
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	ATM
<b>Alternative Names</b>	ATM; Serine-protein kinase ATM; Ataxia telangiectasia mutated; A-T mutated
<b>Gene ID</b>	472
<b>SwissProt ID</b>	Q13315

## Application

<b>Dilution Ratio</b>	IHC: 1/50-1/100
<b>Molecular Weight</b>	-

## Background

The protein encoded by this gene belongs to the PI3/PI4-kinase family. This protein is an important cell cycle checkpoint

**Product Name: ATM (9F7) Mouse Monoclonal Antibody**  
**Catalog #: AMM00765**

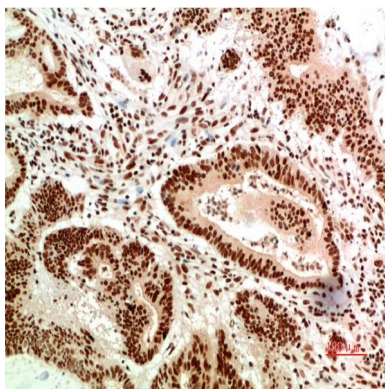


kinase that phosphorylates; thus, it functions as a regulator of a wide variety of downstream proteins, including tumor suppressor proteins p53 and BRCA1, checkpoint kinase CHK2, checkpoint proteins RAD17 and RAD9, and DNA repair protein NBS1. This protein and the closely related kinase ATR are thought to be master controllers of cell cycle checkpoint signaling pathways that are required for cell response to DNA damage and for genome stability.

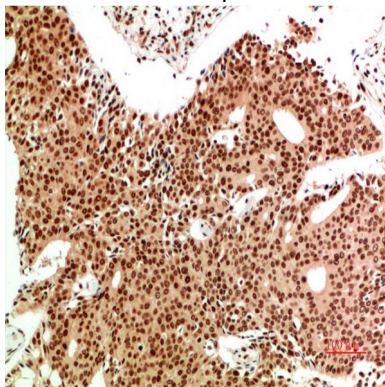
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma Tissue using ATM (9F7) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using ATM (9F7) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.