

**Product Name: ATM Rabbit Monoclonal Antibody****Catalog #: AMRe85227**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000, IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 351 kDa; Observed MW: 351 kDa

**Antigen Information**

<b>Gene Name</b>	ATM
<b>Alternative Names</b>	ATM; Serine-protein kinase ATM; Ataxia telangiectasia mutated; A-T mutated
<b>Gene ID</b>	472.0
<b>SwissProt ID</b>	Q13315
<b>Immunogen</b>	Recombinant protein of human ATM

**Background**

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.

## Research Area

## Image Data

Western blot analysis of ATM in Hela lysates using ATM antibody.

