

For Research Use Only

# ATM Monoclonal antibody

Catalog Number: 67586-1-Ig **3 Publications**



## Basic Information

<b>Catalog Number:</b> 67586-1-Ig	<b>GenBank Accession Number:</b> BC137169	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1500 µg/ml	<b>GeneID (NCBI):</b> 472	<b>CloneNo.:</b> 3E6F4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q13315	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> ataxia telangiectasia mutated	
<b>Immunogen Catalog Number:</b> AG30001	<b>Observed MW:</b> 310-350 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> HeLa cells, HSC-T6 cells, HEK-293 cells, HepG2 cells
<b>Species Specificity:</b> Human, Rat	<b>IF :</b> HeLa cells,
<b>Cited Species:</b> human, rat	

## Background Information

The ATM protein is a member of the phosphatidylinositol 3-kinase family of proteins that respond to DNA damage by phosphorylating key substrates involved in DNA repair and/or cell cycle control. It is involved in mitogenic signal transduction, meiotic recombination, detection of DNA damage, and cell cycle control.

## Notable Publications

Author	Pubmed ID	Journal	Application
Silu Hou	36427601	Food Chem Toxicol	WB
Jiajia Pan	38340163	J Mol Med (Berl)	WB
Qian Jiang	37287422	CNS Neurosci Ther	IF, WB

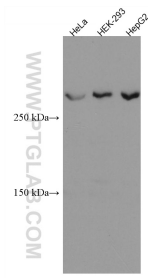
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

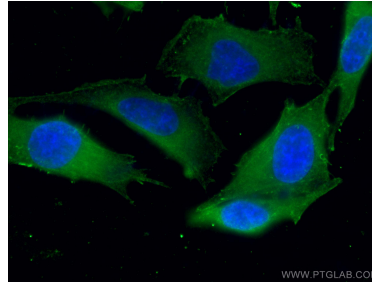
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67586-1-Ig (ATM antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 67586-1-Ig (ATM antibody), at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).