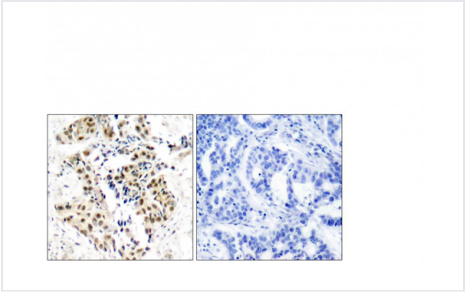
ATM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ATM, Polyclonal Antibody
Full Product Name	ATM Antibody (Ser1981)
Product Gene Name	anti-ATM antibody
Product Synonym Names	Rabbit Polyclonal ATM Antibody (Ser1981); Polyclonal ATM antibody; Anti-ATM antibody; A-T mutated antibody; Ataxia telangiectasia mutated antibody; Ataxia telangiectasia mutated homolog antibody; Serine-protein kinase ATM antibody; kinase ATM antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied in PBS buffer (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol
Purity/Purification	Affinity Chromatography
Concentration	1 mg/ml (lot specific)
Specificity	ATM antibody (Ser1981) detects endogenous levels of ATM only when phosphorylated at serine 1981. The antibody will detect species specific phosphorylation as follows: Human: Ser1981, Mouse: Ser1987
Preparation and Storage	Store at -20 degree C in small aliquots. Avoid repeat freeze/thaw cycles.
Immunogen	ATM antibody was raised in Rabbit using a synthesized phosphopeptide derived from human ATM around the phosphorylation site of serine 1981 (E-G-SP-Q-S) as the immunogen.
Cross-Reactivity	Mouse
Product Categories/Family for anti-ATM antibody	Proteases; Inhibitors; & Enzymes
Applications Tested/Suitable for anti-ATM antibody	Immunohistochemistry (IHC)
Application Notes for anti-ATM antibody	IHC: 1:50-1:100
Related Product Information for anti-ATM antibody	MBS5313565 is an antibody targeting ATM. Also known as ATM Antibody (Ser1981). Reactive in Mouse. Host: Rabbit. ATM regulates cell cycle checkpoints and DNA repair.
Other Notes	Small volumes of anti-ATM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-ATM antibody
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATM antibody (Ser1981)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATM. It may not necessarily be applicable to this product.

NCBI GI #	2304971
NCBI GeneID	472
UniProt Related Accession #	Q13315
NCBI Official Full Name	ATM
NCBI Official Synonym Full Names	ATM serine/threonine kinase
NCBI Official Symbol	ATM
NCBI Official Synonym Symbols	AT1; ATA; ATC; ATD; ATE; ATDC; TEL1; TELO1
Protein Family	Serine-protein kinase
NCBI Protein Information	serine-protein kinase ATM
NCBI Summary for ATM	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]
Research Articles on ATM	**1.** These studies demonstrate a novel mechanism whereby ATM activity and reactive oxygen species generation regulates Rac1 to modulate pro-migratory cellular behavior.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-mouse-antibody/atm/5313565