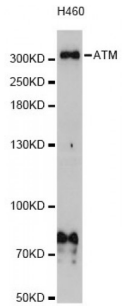
Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

DATASHEET

Serine-Protein Kinase ATM (ATM) Antibody

Catalogue No.:abx004526



Western blot analysis of extracts of H460 cells, using ATM Antibody (abx004526) at 1/1000 dilution.

ATM Antibody is a Rabbit Polyclonal antibody against 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.

Target:	ATM
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB
Recommended dilutions:	WB: 1/500 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	A synthetic peptide of human ATM.
Purification:	Affinity purified.
Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 350 kDa Observed MW: 310 kDa

Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

DATASHEET

Swiss Prot:	Q13315
GeneID:	472
Gene Symbol:	ATM
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Note:	This product is for research use only.