

Mouse anti-Human ATM Antibody | anti-ATM antibody

ATM Antibody

CATALOG # AAA108629	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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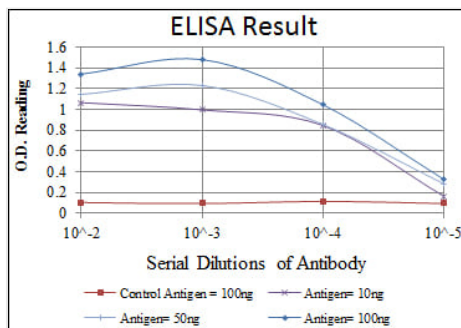
PRODUCT SYNONYMS

ATM; ATM Antibody; AT1; ATA; ATC; ATD; ATE; ATDC; TEL1; TELO1; MGC74674; DKFZp781A0353; anti-ATM antibody

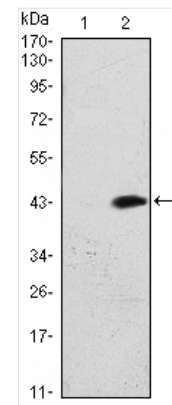
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	5C5
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	3056
Applicable Applications for anti-ATM antibody	ELISA, WB (Western Blot)
Immunogen	Purified recombinant fragment of human ATM expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

IMAGES



Application Data



WB (Western Blot)

Figure 1: Western blot analysis using ATM mAb against HEK293 (1) and ATM-hlgFc transfected HEK293 (2) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ATM antibody	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. Tissue specificity: Found in pancreas, kidney, skeletal muscle, liver, lung, placenta, brain, heart, spleen, thymus, testis, ovary, small intestine, colon and leukocytes.
Product Categories/Family for anti-ATM antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	71902540
NCBI GeneID	472
NCBI Accession #	NP_000042.3
NCBI GenBank Nucleotide #	NM_000051.3
UniProt Accession #	Q13315; O15429; Q12758; Q16551; Q93007; Q9NP02; Q9UCX7; B2RNX5
Molecular Weight	351kDa
NCBI Official Full Name	serine-protein kinase ATM isoform a
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
NCBI Protein Information	serine-protein kinase ATM
UniProt Protein Name	Serine-protein kinase ATM
UniProt Gene Name	ATM
UniProt Synonym Gene Names	A-T mutated

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/atm/108629>