

Rabbit anti-Human Phospho-ATM (S1981) Polyclonal Antibody | anti-ATM antibody

Phospho-ATM (S1981) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284603	Rabbit	Human	ELISA, Dot Blot, Immunofluorescence

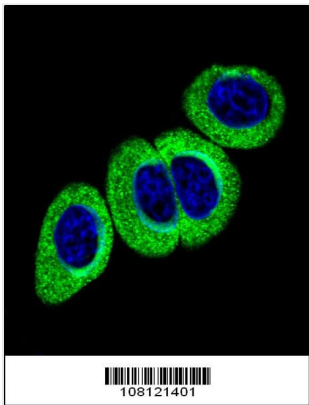
PRODUCT SYNONYMS

Phospho-ATM (S1981); Polyclonal Antibody; Phospho-ATM (S1981) Antibody; Serine-protein kinase ATM; Ataxia telangiectasia mutated; A-T mutated; ATM; anti-ATM antibody

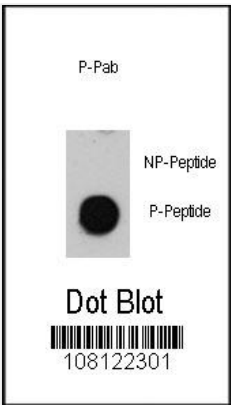
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Phospho-ATM-pS1981 antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S1981 of human ATM.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Length	3056
Applicable Applications for anti-ATM antibody	ELISA, DB (Dot Blot), IF (Immunofluorescence)
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis ofPhosho-ATM-pS1981 Antibody with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



DB (Dot Blot)
Dot blot analysis of anti-Phosho-ATM-pS1981 Antibody on nitrocellulose membrane. 50ng of Phosho-peptide or Non Phosho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

ADDITIONAL INFORMATION

Related Product Information for anti-ATM antibody	ATM 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. ATM 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 the gene encoding ATM are associated with ataxia telangiectasia, an autosomal recessive disorder.
Product Categories/Family for anti-ATM antibody	Cancer; Neuroscience; Phospho Antibodies
References	Brunet,J.,Clin. Genet. 73 (5), 465-473 (2008) Tsai,W.B., Nat. Cell Biol. 10 (4), 460-467 (2008)

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	350687
NCBI Official Full Name	serine-protein kinase 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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/phospho-atm-s1981-antibody-dot-blot-immunofluorescence-elisa/284603>