

anti-Human, Mouse ATM Antibody | anti-ATM antibody

ATM (Phospho-Ser1981) Antibody

CATALOG # AAA111137	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry
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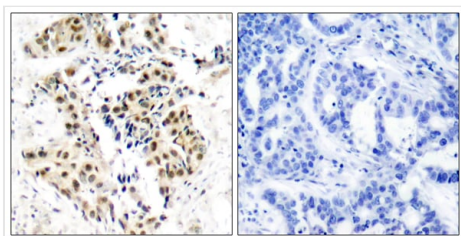
PRODUCT SYNONYMS

ATM; ATM (Phospho-Ser1981) Antibody; A-T; mutated; Ataxia telangiectasia mutated; Ataxia telangiectasia mutated homolog; Serine-protein kinase ATM; kinase ATM; anti-ATM antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Specificity	ATM (phospho-Ser1981) antibody detects endogenous levels of ATM only when phosphorylated at serine 1981.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	3056
Applicable Applications for anti-ATM antibody	IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human ATM around the phosphorylation site of serine 1981 (E-G-S ^P -Q-S).
All Sites	Human: Ser1981 Mouse: Ser1987
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



IHC (Immunohistochemistry)

P-PeptideImmunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATM (phospho-Ser1981) antibody.- "Left"; + "Right"

ADDITIONAL INFORMATION

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
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References	Gupta A. et al. (2005) Mol Cell Biol. 25(12): 5292-5305. Bernstein JL. et al. (2002) Breast Cancer Res. 4(6): 249-252. Silverman J. et al. (2004) Genes Dev. 18(17): 2108-2119. Nakada D. et al. (2003) Nucleic Acids Res. 31(6): 1715-1724.
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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	350,687 Da
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.