

Rabbit anti-Human ATM Monoclonal Antibody | anti-ATM antibody

ATM Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282779	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

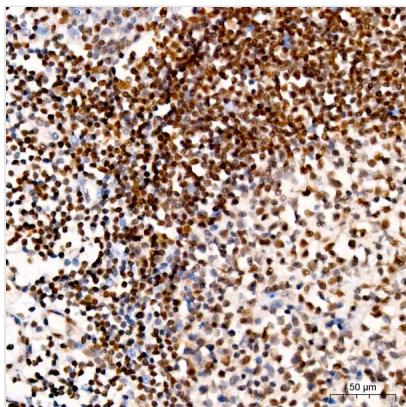
PRODUCT SYNONYMS

ATM; Monoclonal Antibody; ATM Rabbit mAb; AT1; ATA; ATC; ATD; ATE; ATDC; TEL1; TELO1; anti-ATM antibody

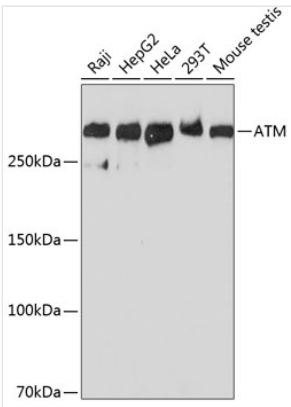
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	SVEALCDAYI ILANLDATQW KTQRKGINIP ADQPITKLKN LEDVVVPTME IKVDHTGEYG NLVTIQSFKA EFRLAGGVNL PKIIDCVGSD GKERRQLVKG RDDLRQDAVM QQVFQMCNTL LQRNTETRRK KLTICTYKVV PLSQRSGVLE WCTGTVPIGE FLVNNEDGAH KRYRPNDFA FQCQKKMMEV QKKSFECKYE VFMDVCQNFQ PVFRYFCMEK FLDPAIWFEK RLAYTRSVAT SSIVGYILGL GDRHVQNILI NEQSAELVHI DLGVAFEQ GK ILPTPETVPF RLTRDIVDGM GITGVEGVFR RCCEKTMEVM R
Applicable Applications for anti-ATM antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 2619-2939 of human ATM (Q13315).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human tonsil using ATM Rabbit mAb (AAA282779) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)
Western blot analysis of various lysates using ATM Rabbit mAb (AAA282779) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

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.
Product Categories/Family for anti-ATM antibody	Epigenetics Nuclear Signaling; Epigenetic writers and erasers of core Histones; DNA Damage Repair; Protein phosphorylation; Cancer; Tumor suppressors; Signal Transduction; Kinase; Serine threonine kinases; ATM Signaling Pathway; Cell Biology Developmental

NCBI AND UNIPROT INFORMATION

NCBI GI #	187951615
NCBI GeneID	472
UniProt Accession #	Q13315; O15429; Q12758; Q16551; Q93007; Q9NP02; Q9UCX7; B2RXN5
Molecular Weight	Calculated MW: 351kDa Observed MW: 350kDa
UniProt Protein Name	Serine-protein kinase ATM
UniProt Gene Name	ATM
UniProt Synonym Gene Names	A-T mutated
UniProt Entry Name	ATM_HUMAN

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.