ATM antibody [2C1]

Cat. No. GTX70103

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, IHC-P, FCM, IP, ELISA, ChIP assay, IHC
Reactivity	Human, Mouse, Rat, Monkey

References (238)
Package
100 µl

PRODUCT

Summary ATM antibody [2C1] is a mouse monoclonal antibody developed by Dr. Eva Lee's lab at the University of Texas Health Science Center at San Antonio (PMID: 8969240). It is a well-validated and highly cited reagent to detect ATM protein, which is a nuclear serine/threonine kinase that plays a pivotal role in DNA damage sensing and repair.

Applications

Application Note

Recommended Starting Dilutions:
For WB: Use at a dilution of 1:500-1:3000. Predicted 350 kDa.
For IHC-P: Use at 5 µg/mL. Antigen retrieval in Citrate buffer is recommended.
For IP: Use at a concentration of 1-10 µg/ml.
For ICC/IF: Please refer to the publication by Harry Scherthan, et.al., 2000 and Yiyoung Liu, et.al., 2006.
For FACS:Use at an dependent assay. Optimal dilutions/concentrations should be determined by the researcher.

Calculated MW 351 kDa. (Note)

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.99 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein expressed in E. coli corresponding to amino acids 2577-3056.
Purification	Purified by antigen-affinity chromatography. From tissue culture supernatant
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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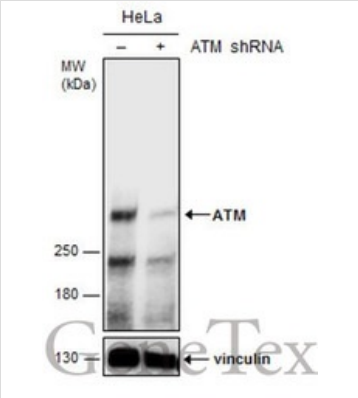
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

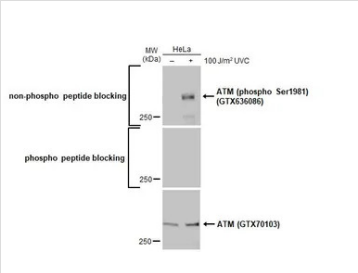
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



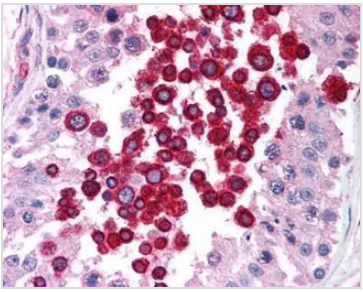
GTX70103 WB Image

Non-transfected (–) and transfected (+) HeLa whole cell extracts (60 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATM antibody [2C1] (GTX70103) diluted at 1:500. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



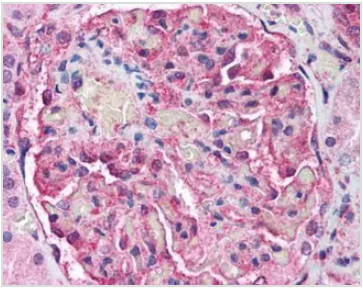
GTX70103 WB Image

Untreated (–) and treated (+) 293T whole cell extracts (60 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with ATM antibody [2C1] (GTX70103) diluted at 1:1000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



GTX70103 IHC-P Image

Human Testis (formalin-fixed, paraffin-embedded) stained with ATM antibody at 5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



GTX70103 IHC-P Image

Human Kidney (formalin-fixed, paraffin-embedded) stained with ATM antibody at 5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

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