

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 (241)

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

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	Assay dependent
IHC-P	5 µg/ml
FCM	Assay dependent
IP	1-10 µg/ml
ELISA	Assay dependent
ChIP assay	Assay dependent
IHC	Assay dependent

Note : Please refer to the publication by Harry Scherthan, et.al., 2000 and Yiyong Liu, et.al., 2006.

Not tested in other applications.

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 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



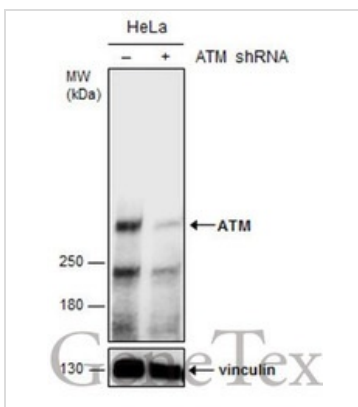
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Concentration	0.99 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein expressed in E. coli corresponding to amino acids 2577-3056.
Purification	Purified by antigen-affinity chromatography. From tissue culture supernatant
Conjugation	Unconjugated

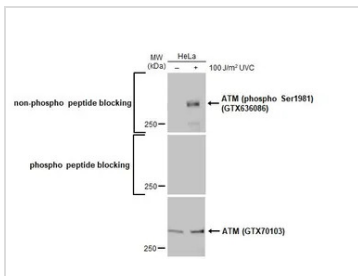
Note

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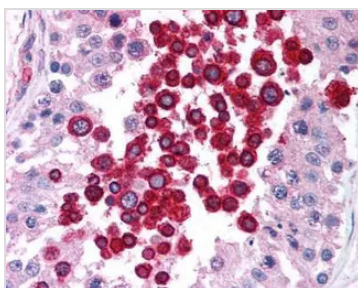
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DATA IMAGES

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 µg/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



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