

Datasheet: AHP397

Description:	RABBIT ANTI ATM (aa1-308)
Specificity:	ATM (aa1-308)
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen		▪		
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation		▪		
Western Blotting	▪			1/100 - 1/200

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Hamster, Monkey

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Serum - liquid

Antiserum Preparation

Antisera to ATM were raised by repeated immunisation of rabbits with highly purified antigen.

Preservative Stabilisers

0.09% Sodium Azide

Immunogen Recombinant human ATM fragment (amino acids 1-308).

External Database Links

UniProt:

[Q13315](#) [Related reagents](#)

Entrez Gene:

[472](#) ATM [Related reagents](#)

RRID AB_2258907

Specificity

Rabbit anti ATM antibody recognizes the human ATM protein, a ~350 kDa polypeptide that is the product of the ATM gene. The ATM gene is defective in Ataxia telangiectasia. ATM protein is expressed within the nucleus of all normal cells, and is thought to be important in detection of DNA damage.

References

1. Lakin, N.D. *et al.* (1996) Analysis of the ATM protein in wild-type and ataxia telangiectasia cells. [Oncogene. 13 \(12\): 2707-16.](#)
 2. Jones, G.G. *et al.* (2004) The ATR-p53 pathway is suppressed in noncycling normal and malignant lymphocytes. [Oncogene. 23 \(10\): 1911-21.](#)
 3. Neal, J.A. *et al.* (2011) Inhibition of homologous recombination by DNA-dependent protein kinase requires kinase activity, is titratable, and is modulated by autophosphorylation. [Mol Cell Biol. 31 \(8\): 1719-33.](#)
 4. Shrivastav, M. *et al.* (2009) DNA-PKcs and ATM co-regulate DNA double-strand break repair. [DNA Repair \(Amst\). 8: 920-9.](#)
 5. Pettitt, A.R. *et al.* (2001) p53 dysfunction in B-cell chronic lymphocytic leukemia: inactivation of ATM as an alternative to TP53 mutation. [Blood. 98 \(3\): 814-22.](#)
 6. Henriksson, G. *et al.* (2004) Enhanced DNA-dependent protein kinase activity in Sjögren's syndrome B cells. [Rheumatology \(Oxford\). 43: 1109-15.](#)
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Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10081 available at:
10081: <https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M386157:210519'

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