

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.
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

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. <i>et al.</i> (1996) Analysis of the ATM protein in wild-type and ataxia telangiectasia cells. Oncogene. 13 (12): 2707-16. 2. Jones, G.G. <i>et al.</i> (2004) The ATR-p53 pathway is suppressed in noncycling normal and malignant lymphocytes. Oncogene. 23 (10): 1911-21. 3. Neal, J.A. <i>et al.</i> (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. <i>et al.</i> (2009) DNA-PKcs and ATM co-regulate DNA double-strand break repair. DNA Repair (Amst). 8: 920-9. 5. Pettitt, A.R. <i>et al.</i> (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. <i>et al.</i> (2004) Enhanced DNA-dependent protein kinase activity in Sjögren's syndrome B cells. Rheumatology (Oxford). 43: 1109-15.
Storage	Store at +4°C for one month or at -20°C for longer. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10081 available at: 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 (H/L) (STAR124...)	HRP
Sheep Anti Rabbit IgG (STAR54...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800
Sheep Anti Rabbit IgG (2AB02...)	Biotin

Recommended Useful Reagents

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

Printed on 06 Oct 2017

© 2017 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)