

## Anti-Serine-protein kinase ATM ATM Antibody Picoband® Fluoro594 Conjugated

Catalog Number: RP1040-Fluoro594

### About ATM

ATM (ataxia telangiectasia mutated), also known as TEL1 or TELO1, is a serine/threonine protein kinase that is recruited and activated by DNA double-strand breaks. The ATM protein is a member of the phosphatidylinositol 3-kinase family of proteins that respond to DNA damage by phosphorylating key substrates involved in DNA repair and/or cell cycle control. The ATM gene is mapped to chromosome 11q22.3. ATM has an essential role in the reconstitutive capacity of hematopoietic stem cells but is not as important for the proliferation or differentiation of progenitors in a telomere-independent manner. ATM functions directly in the repair of chromosomal DNA double-stranded breaks by maintaining DNA ends in repair complexes generated during lymphocyte gene assembly.

### Overview

Product Name	Anti-Serine-protein kinase ATM ATM Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q13315

### Technical Details

Immunogen	E.coli-derived human ATM recombinant protein (Position: D2870-V3056). Human ATM shares 95% amino acid (aa) sequence identity with mouse ATM.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm

	Emission Wavelength: 618 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Serine-protein kinase ATM ATM Antibody - Fluoro594

For Research Use Only. Not for use in diagnostic procedures.