



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### ATM (phospho S1981) recombinant monoclonal antibody, clone 1C5

**Catalog Number:** RAB04291

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit recombinant monoclonal antibody raised against human ATM.

**Clone Name:** 1C5

**Immunogen:** Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding S1981 of human ATM.

**Antibody Species:** Rabbit

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Purification:** Affinity chromatography

**Isotype:** IgG

**Recommend Usage:** ELISA  
Immunofluorescence (1:20-1:200)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

**Storage Instruction:** Store at -20 °C or -80 °C.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 472

**Gene Symbol:** ATM

**Gene Alias:** AT1, ATA, ATC, ATD, ATDC, ATE, DKFZp781A0353, MGC74674, TEL1, TELO1

**Gene Summary:** The protein encoded by this gene belongs to the PI3/PI4-kinase family. This protein is an important cell cycle checkpoint kinase that phosphorylates; thus, it functions as a regulator of a

wide variety of downstream proteins, including tumor suppressor proteins p53 and BRCA1, checkpoint kinase CHK2, checkpoint proteins RAD17 and RAD9, and DNA repair protein NBS1. This protein and the closely related kinase ATR are thought to be master controllers of cell cycle checkpoint signaling pathways that are required for cell response to DNA damage and for genome stability. Mutations in this gene are associated with ataxia telangiectasia, an autosomal recessive disorder. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]