



# 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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## ATM/CEN11p FISH Probe

Catalog # : FA0637

規格 : [ 200 uL ]

[List All](#)

### Specification

<b>Product Description:</b>	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. ( <a href="#">Technology</a> )
<b>Supplied Product:</b>	DAPI Counterstain (150 ng/mL) 250 uL
<b>Storage Instruction:</b>	Store at 4°C in the dark.
<b>Origin:</b>	Human
<b>Source:</b>	Genomic DNA
<b>Notice:</b>	We <b>strongly recommend</b> the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: <a href="#">KA2375</a> or <a href="#">KA2691</a> ) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
<b>Regulation Status:</b>	For research use only (RUO)

### Application Image

Fluorescent In Situ Hybridization (Cell)

### Applications

Fluorescent In Situ Hybridization (Cell)

 [Protocol Download](#)

### Gene Information

Entrez GeneID: [472](#)

Gene Name: ATM

Gene Alias: AT1,ATA,ATC,ATD,ATDC,ATE,DKFZp781A0353,MGC74674,TEL1,TEL01

Gene Description: ataxia telangiectasia mutated

Omim ID: [114480](#), [208900](#), [607585](#)

Gene Ontology: [Hyperlink](#)

**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]

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**Other** AT mutated, TEL1, telomere maintenance 1, homolog, ataxia  
**Designations:** telangiectasia mutated (includes complementation groups A, C and D), ataxia telangiectasia mutated protein, human phosphatidylinositol 3-kinase homolog, serine-protein kinase ATM

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### Gene Pathway

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[Apoptosis](#) [Cell cycle](#) [p53 signaling pathway](#)

### Related Disease

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[Acute Disease](#) [Adenocarcinoma](#) [Ataxia Telangiectasia](#) [Ataxia telangiectasia](#)  
[Atherosclerosis](#) [Brain Neoplasms](#) [Breast cancer](#) [Breast Neoplasms](#) [Carcinoma](#)  
[Carcinoma, Ductal, Breast](#) [Carcinoma, Lobular](#) [Carcinoma, Non-Small-Cell Lung](#)  
[Carcinoma, Pancreatic Ductal](#) [Carcinoma, Squamous Cell](#) [Cardiovascular Diseases](#)  
[Chromosome Aberrations](#) [Cocarcinogenesis](#) [Colorectal Neoplasms](#)  
[Colorectal Neoplasms, Hereditary Nonpolyposis](#)

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