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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

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ATM(Texas Red)/CEN11q(FITC) FISH Probe

Catalog # : FA0562 **規格 :** [200 uL]

List All

Specification

Product Description:	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology)
Supplied Product:	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction:	Store at 4°C in the dark.
Origin:	Human
Source:	Genomic DNA
Notice:	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status:	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,TELO1
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

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

Gene Pathway

Apoptosis Cell cycle p53 signaling pathway

Related Disease

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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