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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATM polyclonal antibody (A01)

Catalog # : H00000472-A01

規格 : [50 uL]

List All

Specification

Product Description: Mouse polyclonal antibody raised against a partial recombinant ATM.

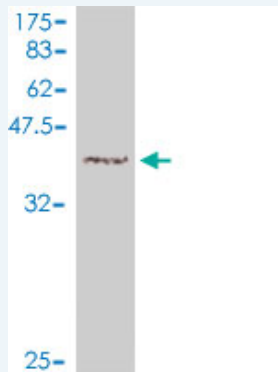
Immunogen: ATM (AAH07023, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag.

Sequence: MTLHEPANSSASQSTDLCDFSGDLDPAPNPPHFP SHVVKATFAYISNCHK TKLKSILEILSKSPDSYQKILLAICEQAAETNNVYKKHRILKIYHLFVSL

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.11 kDa) .

Storage Buffer: 50 % glycerol

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

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

1. [MicroRNA-181a Functions as an Oncomir in Gastric Cancer by Targeting the Tumour Suppressor Gene ATM.](#)
Zhang X, Nie Y, Li X, Wu G, Huang Q, Cao J, Du Y, Li J, Deng R, Huang D, Chen B, Li S, Wei B *Pathol Oncol Res.* 2014 Feb 16.

Applications

Western Blot (Recombinant protein)

[Protocol Download](#)

ELISA

Application Image

Western Blot (Recombinant protein)

ELISA

Gene Information

Entrez GeneID: [472](#)

GeneBank
Accession#: [BC007023](#)

Protein
Accession#: [AAH07023](#)

Gene Name: ATM

Gene Alias: AT1,ATA,ATC,ATD,ATDC,ATE,DKFZp781A0353,MGC74674,TEL1,TEL
O1

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](#)
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[Carcinoma, Pancreatic Ductal](#) [Carcinoma, Squamous Cell](#) [Cardiovascular Diseases](#)
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[Colorectal Neoplasms, Hereditary Nonpolyposis](#)

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