IDENTiFYN®

CERTIFICATE OF ANALYSIS

Catalog Number	PA-RR 000012
Batch Number(s):	PA-B-0001-RR-ATM.p
Product Name	Rabbit anti-Human ATM.p (Serine 1981) Recombinant Monoclonal (BLR031P)

PRODUCT SPECIFICATION

Host	Rabbit
Colonality	Recombinant Monoclonal
Subclass	IgG
Immunogen	Synthetic peptide corresponding to Human ATM (Serine 1981), Uniprot Q13315 and Gene ID 472
Conjugate	Unconjugated
Form	Liquid
Concentration	1.00 mg/mL
Purification	Affinity chromatography
Storage Buffer	Phosphate Buffer Saline, 10mM, pH 7.4
Preservative	Azide
Cryopreservative	Glycerol
Storage conditions	4°C. Avoid freeze/thaw cycles

APPLICATIONS

Western Blotting	1:250-1:1000
Immunocytochemistry / Microscopy	1:250-1:1000

PRODUCT DESCRIPTION

ATM (ataxia-telangiectasia mutated) is a PI3K-related kinase protein. Mutations cause ataxia-telangiectasia, a rare disorder with neurodegeneration, immune defects, and higher cancer risk. ATM phosphorylates key cell-cycle proteins (e.g., p53, BRCA1) and repairs DNA double-strand breaks from radiation. It is activated by DNA damage, triggering pathways that regulate repair, cell cycle, and apoptosis.

Uniprot ID	Q13315
Gene ID	472
Gene Symbol	ATM.p
Gene Aliases	AT mutated; A-T mutated; AT1; ATA; ataxia telangiectasia mutated; ATC; ATD; ATDC; ATE; serine-protein kinase ATM; TEL1; TEL1, telomere maintenance 1, homolog; TELO1

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