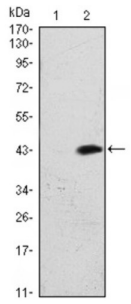
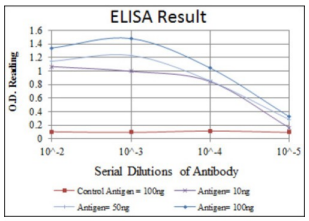
Serine-Protein Kinase ATM (ATM) Antibody

Catalogue No.:abx011708



Western blot analysis using ATM antibody against HEK293 (1) and ATM (AA: 2705-2820) - hIgGFc transfected HEK293 (2) cell lysate.



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

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. At least three alternatively spliced transcript variants, which encode distinct isoforms, have been identified.

Target:	Serine-Protein Kinase ATM (ATM)
Clonality:	Monoclonal
Reactivity:	Human
Tested Applications:	ELISA
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human ATM expressed in E. coli.
Isotype:	IgG_1

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Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q13315 (UniProt, ExPASy)
Gene Symbol:	ATM
GeneID:	472
OMIM:	208900
HGNC:	795
KEGG:	hsa:472
Ensembl:	ENSG00000149311
String:	9606.ENSP00000278616
Molecular Weight:	351 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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