

For Research Use Only

ATM Monoclonal antibody

Catalog Number: 67586-1-Ig **4 Publications**



Basic Information

Catalog Number: 67586-1-Ig	GenBank Accession Number: BC137169	Purification Method: Protein A purification
Size: 150ul , Concentration: 2100 ug/ml by 472 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): UNIPROT ID: Q13315	CloneNo.: 3E6F4
Source: Mouse	Full Name: ataxia telangiectasia mutated	Recommended Dilutions: WB 1:1000-1:5000
Isotype: IgG1	Observed MW: 310-350 kDa	
Immunogen Catalog Number: AG30001		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HSC-T6 cells, HEK-293 cells, HepG2 cells
Cited Applications: WB, IF	
Species Specificity: human, rat	
Cited Species: human, rat, pig	

Background Information

The ATM protein is a member of the phosphatidylinositol 3-kinase family of proteins that respond to DNA damage by phosphorylating key substrates involved in DNA repair and/or cell cycle control. It is involved in mitogenic signal transduction, meiotic recombination, detection of DNA damage, and cell cycle control.

Notable Publications

Author	Pubmed ID	Journal	Application
Silu Hou	36427601	Food Chem Toxicol	WB
Weikai Ge	39025833	Signal Transduct Target Ther	WB
Jiajia Pan	38340163	J Mol Med (Berl)	WB

Storage

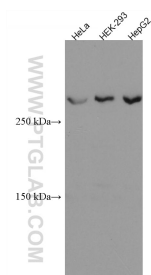
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67586-1-Ig (ATM antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.