

For Research Use Only

ATM Monoclonal antibody

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



Basic Information

Catalog Number: 67586-1-Ig
Size: 150ul, Concentration: 2100 ug/ml by 472 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;
Source: Mouse
Isotype: IgG1
Immunogen Catalog Number: AG30001

GenBank Accession Number: BC137169
GeneID (NCBI): 472
UNIPROT ID: Q13315
Full Name: ataxia telangiectasia mutated
Observed MW: 310-350 kDa

Purification Method: Protein A purification
CloneNo.: 3E6F4
Recommended Dilutions: WB 1:1000-1:5000

Applications

Tested Applications: WB, ELISA
Cited Applications: WB, IF
Species Specificity: human, rat
Cited Species: human, rat, pig

Positive Controls: WB : HeLa cells, HSC-T6 cells, HEK-293 cells, HepG2 cells

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

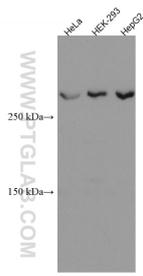
Storage: Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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.