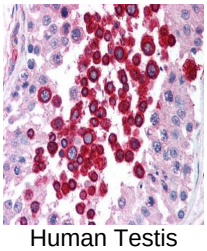
German Research Products - GRP GmbH
In der Stockwiese 26
D-85410 Haag/Amper, Germany
Email: info@grp-ak.de
Phone: +49 (0)8167 6335

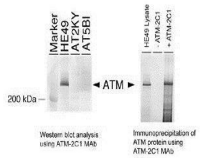
Product Datasheet

ATM antibody [2C1]
GRP83

Description	The ATM antibody, clone 2C1, recognizes full-length ATM, a 370kDa nuclear phosphoprotein, which is involved in the autosomal recessive disease ataxia telangiectasia (AT). ATM belongs to a novel family of proteins associated with cell cycle regulation and response to DNA repair. The C-terminal region has extensive homology to the catalytic domains of phosphatidylinositol 3-kinases (PI3 kinases). Its usefulness to monitor altered ATM expression in cancer is under active investigation.
Species/Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey
Conjugation	Unconjugated
Tested Applications	ChIP, ELISA, FACS, ICC, IF, IHC-P, IP, WB
Immunogen	Recombinant protein expressed in E. coli corresponding to amino acids 2577-3056.
Form/Appearance	Liquid: PBS
Concentration	1 mg/ml
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Note	For research use only.
Isotype	IgG1
Clonality	Monoclonal
Purity	Purified by antigen-affinity chromatography.
Clone ID	2C1
Uniprot ID	**Q13315**
Entrez	**472**



Human Testis (formalin-fixed, paraffin-embedded) stained with ATM antibody at 5 ug/ml followed by biotinylated anti-mouse IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Detection of human ATM protein using anti-ATM 2C1 monoclonal antibody (GRP535) by western blot or immunoprecipitation.