

Anti-ATM Antibody (4V251)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 370 kDa. Actual: 350 kDa.
Clone:	4V251
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. 25 µg total protein per lane of various lysates (see on figure) probed with ATM monoclonal antibody, unconjugated (TMAB-02937) at 1: 2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>2. Paraformaldehyde-fixed, paraffin embedded Human Cervical Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ATM Monoclonal Antibody, Unconjugated (TMAB-02937) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ATM Monoclonal Antibody, Unconjugated (TMAB-02937) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.</p>
Application:	WB,FCM,ICC/IF,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; FCM: 1:50-100; ICC/IF: 1:50-200; IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human ATM
Antigen Species:	Human
Gene ID:	472
Uniprot ID:	Q13315

Research Background

ATM is a 370 kDa nuclear phosphoprotein involved in the autosomal recessive disease Ataxia Telangiectasia (AT). ATM belongs to a novel family of proteins associated with cell cycle regulation, apoptosis, and response to DNA damage repair (DNA damage caused by such things as ionizing irradiation activates ATM kinase). The C terminal region has extensive homology to the catalytic domains of Phosphatidylinositol 3 kinases (PI3 kinases).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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