
Product Name: ATM Rabbit Monoclonal Antibody**Catalog #: AMRe21042**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,ELISA,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG,Kappa
Clonality	Monoclonal
Form	Liquid
Concentration	0.2mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein
Purification	Protein A

Application

Dilution Ratio	WB 1:2000-1:10000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200
Molecular Weight	Calculated MW:351kD;Observed MW:351kD

Antigen Information

Gene Name	ATM
Alternative Names	ATM;Serine-protein kinase ATM;Ataxia telangiectasia mutated;A-T mutated
Gene ID	472.0
SwissProt ID	Q13315
Immunogen	A synthetic peptide corresponding to target protein

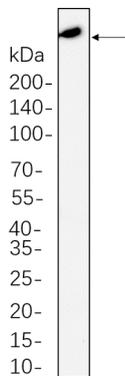
Background

Cell localization:Nucleus . Cytoplasmic vesicle . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Primarily nuclear. Found also in endocytic vesicles in association with beta-adaptin. ..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. [provided by RefSeq, Aug 2010],

Research Area

Image Data



A549 whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with ATM Rabbit Monoclonal Antibody(1:1000). The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.