

Anti-ATM Rabbit mAb

Purified Rabbit Monoclonal Antibody

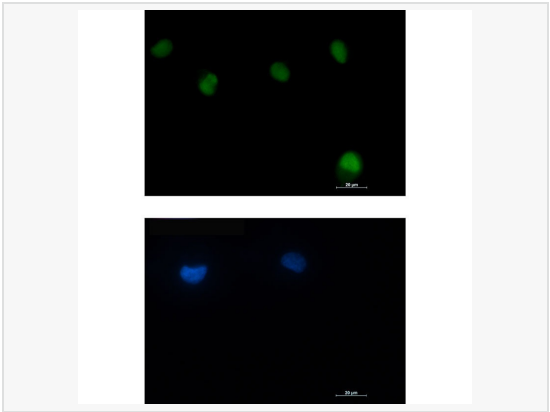
Catalog # R010856

Product Information

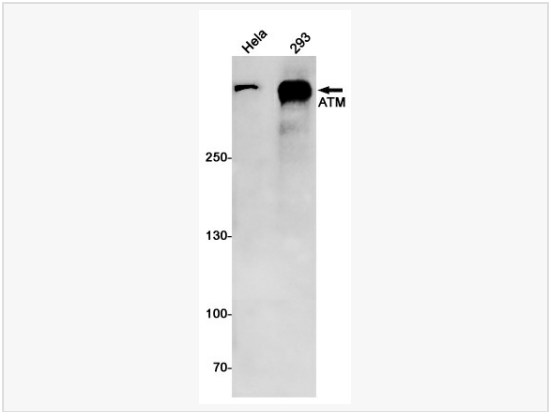
Application	WB, ICC/IF (Cell), ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000; IF 1:50~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	80M23K30
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human ATM
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ATM antibody [80M23K30] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	ATM, Serine-protein kinase ATM, Ataxia telangiectasia mutated, A-T mutated.
Calculated MW	Calculated MW: 351 kDa; Observed MW: 351 kDa
Uniprot ID	Q13315
Gene ID	472
Background	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.



Immunocytochemistry analysis of ATM (green) in HT-1080 using ATM antibody and DAPI (blue) .



Western blot analysis of ATM in Hela, 293 lysates using ATM antibody.