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Phospho-ATM (S1981) Antibody

Rabbit mAb
Catalog # AP90170

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	Q13315
Reactivity	Human
Clonality	Monoclonal
Other Names	kinase ATM; Serine-protein kinase ATM
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	370 KDa

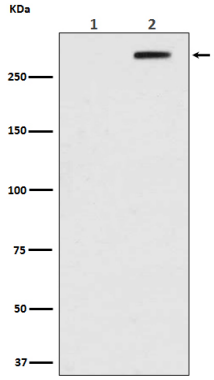
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Phospho-ATM (S1981)
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Images

Western blot analysis of Phospho-ATM (Ser1981) in (1) HEK293 cell lysate; (2) HEK293 cell lysate treated with Doxorubicin.



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Immunohistochemical analysis of paraffin-embedded human liver, using Phospho-ATM (S1981) Antibody.