

Product Data Sheet: Phospho-ATM (Ser1981) Rabbit Polyclonal Antibody

Cat. No: ABP-0008

Conjugate: Unconjugated

Size: 100 ug

Clone: POLY

Concentration: 1mg/ml

Host: Rabbit

Isotype: IgG

Immunogen: Synthesized phospho-peptide around the phosphorylation site of human Atm

(phospho Ser1981)

Reactivity: Human, Mouse, Rat

Western Blot: 1/500 - 1/2000.

Applications: Immunohistochemistry: 1/100 – 1/300 Immunofluorescence: 1/50-1/200

ELISA: 1/5000.

Molecular Weight: 350kD

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Synonyms: ATM; Serine-protein kinase ATM; Ataxia telangiectasia mutated; A-T mutated

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

Background: 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.

Form: Liquid

Buffer: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage: Store at -20°C. Avoid repeated freeze-thaw cycles.



Western blot analysis of K562 using p-Atm (S1981) antibody. Antibody was diluted at 1:500



Immunohistochemical analysis of paraffin-embedded human spleen. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room



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temperature, 45min).

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