

## ATM (phospho-S1981) polyclonal antibody

Catalog: BS64019

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The phosphatidylinositol kinase (PIK) family members fall into two distinct subgroups. The first subgroup contains proteins such as the PI 3- and PI 4-kinases and the second group comprises the PIK-related kinases. The PIK-related kinases include Atm, DNA-PKCS and FRAP. These proteins have in common a region of homology at their carboxy-termini that is not present in the PI 3- and PI 4-kinases. The Atm gene is mutated in the autosomal recessive disorder ataxia telangiectasia (AT) that is characterized by cerebellar degeneration (ataxia) and the appearance of dilated blood vessels (telangiectases) in the conjunctivae of the eyes. AT cells are hypersensitive to ionizing radiation, impaired in mediating the inhibition of DNA synthesis and display delays in p53 induction.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 370 kDa

### Swiss-Prot:

Q13315

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

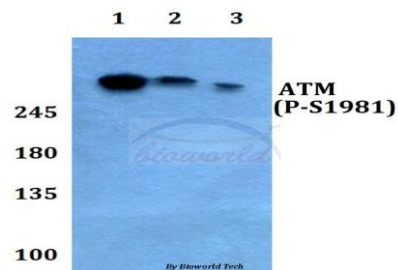
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-ATM (S1981) polyclonal antibody detects endogenous levels of ATM protein only when phosphorylated at ser1981.

### DATA:



Western blot (WB) analysis of p-ATM (S1981) polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate treated with colchicine(0.2ng/ml,24h)

Lane2:Raw264.7 whole cell lysate treated with colchicine(0.2ng/ml,24h)

Lane3:H9C2 whole cell lysate treated with colchicine(0.2ng/ml,24h)

### Note:

For research use only, not for use in diagnostic procedure.

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