

## ATM (I1987) polyclonal antibody

Catalog: BCP00252

Host: Rabbit

Reactivity: Human

### 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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 350 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:

IHC: 1:50~1:200

### Storage&Stability:

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

### Specificity:

ATM (I1987) polyclonal antibody detects endogenous levels of ATM protein.

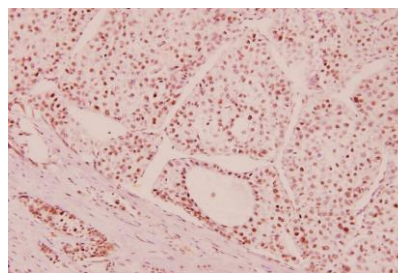
### DATA:

Western blot (WB) analysis of ATM (I1987) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:L02 whole cell lysate(40ug)

Lane3:H1792 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of ATM (I1987) pAb in paraffin-embedded human liver carcinoma tissue at 1:100.

### Note:

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