# Phospho-(Ser/Thr) ATM/ATR Substrate polyclonal antibody

Catalog: BS79460 Host: Rabbit Reactivity: Human, Mouse, Rat

## BackGround:

The functionally related ATM (ataxia telangiectasia-mutated) and ATR (ATM-Rad3-related) protein kinases are critical regulators of DNA damage responses in mammalian cells. ATM and ATR share highly overlapping substrate specificities and show a strong preference for the phosphorylation of Serine (S) or Threonine (T) residues followed by Gln. It also called SQ or TQ consensus sites.

## Product:

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

## Molecular Weight:

38-68KDa

## Swiss-Prot:

## 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 - 1:2000

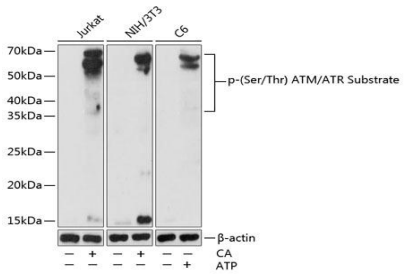
## Storage&Stability:

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

## Modification:

Phosphorylated

## DATA:




Western blot analysis of extracts of various cell lines, using Phospho-ATM/ATR Substrate pAb at 1:1000 dilution.Jurkat and NIH/3T3 cells were treated by Calyculin A at 37℃ for 30 minutes after serum-starvation overnight.C6 cells were treated by ATP at 30℃ for 1 hour.<br/>Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution.<br/>Lysates/proteins: 25ug per lane.<br/>Blocking buffer: 3% nonfat dry milk in TBST.<br/>Detection: ECL Basic Kit .<br/>Exposure time: 60s.

## Note:

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

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