AP0933

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Phospho-(Ser/Thr) ATM/ATR Substrate Rabbit pAb

Catalog No.: AP0933 4 Publications

Basic Information

Observed MW
38-68kDa

Calculated MW

Category
Polyclonal Antibody

Applications
WB,ELISA

Cross-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.

Recommended Dilutions

WB	1:500 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

Swiss Prot

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

Contact

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Product Information

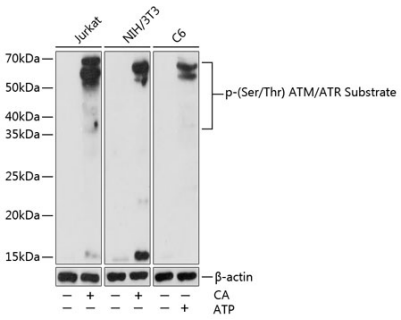
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using Phospho-(Ser/Thr) ATM/ATR Substrate pAb (AP0933) at 1:1000 dilution. Jurkat and NIH/3T3 cells were treated with Calyculin A (100 nM) at 37℃ for 30 minutes after serum-starvation overnight. C6 cells were treated with ATP(5 mM) at 30℃ for 1 hour.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.