R1475CP

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Control Peptide for Monoclonal Antibody to ATM pSer1981

Alternate names: A-T mutated, Ataxia telangiectasia mutated, Serine-protein kinase ATM

Catalog No.: R1475CP

Quantity: 50 µg

Concentration: 1.0 mg/ml (by weight)

Background: ATM is a 370 kDa nuclear phosphoprotein involved in the autosomal recessive disease Ataxia Telangiectasia (AT). ATM belongs to a novel family of proteins associated with cell cycle regulation, apoptosis, and response to DNA damage repair (DNA damage caused by such things as ionizing irradiation activates ATM kinase). The C terminal region has extensive homology to the catalytic domains of Phosphatidylinositol 3 kinases (PI3 kinases).

Format: **State:** Liquid (sterile filtered).
Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide as preservative.

Applications: Intended for use as a Control Peptide when used with anti-ATM (Cat#R1475P) to block specific interaction of anti-ATM with ATM.
The Control Peptide should be used at 1.0 µg per 1.0 µl of antiserum.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Add. Information: **Purity:** › 95% specific peptide
Amino Acid Sequence: S-L-A-F-E-E-G-Sp-Q-S-T-T-I-S-S

Storage: Store vial at -20°C or below prior to opening.
For extended storage aliquot contents and freeze at -20°C or below.
Dilute only prior to immediate use.
Avoid cycles of freezing and thawing.
Shelf life: One year from despatch.