TRF1 (phospho-S219) polyclonal antibody

Catalog: BS4882 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Telomeric repeat binding factor 1 (TERF1, PIN2, TRF1, TRBF1) and 2 (TERF2, TRF2, TRBF2) are present at telomeres throughout the cell cycle where they regulate telomerase by acting in cis to limit the elongation of individual chromosome ends. Telomerase adds hexameric repeats of 5'-TTAGGG-3' to the ends of chromosomal DNA. This telomerase enzyme plays an influential role in cellular immortalization and cellular senescence. TRF1 negatively regulates telomere elongation, while TRF2 protects the chromosome ends by inhibiting end-to-end fusions. Down-regulation of TRF expression in tumor cells may contribute to cell immortalization and malignant progression. TRF1 has an acidic N-terminus while TRF2 has a basic N-terminus.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

~ 55 kDa

Swiss-Prot:

P54274

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

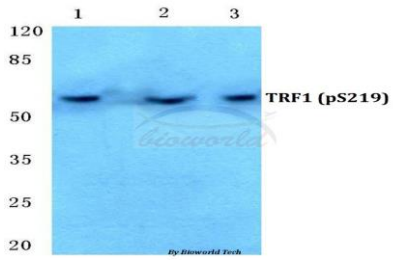
Storage&Stability:

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

Specificity:

p-TRF1 (S219) polyclonal antibody detects endogenous levels of TRF1 only when phosphorylated at Ser219.

DATA:



Western blot (WB) analysis of p-TERF1 (S219) polyclonal antibody at 1:500 dilution

Lane1:DLD cell lysate treated with UV(4h)

Lane2:Raw264.7 cell lysate treated with UV(4h)

Lane3:PC12 cell lysate treated with UV(4h)

Note:

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

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