p53R2 (F156) polyclonal antibody

Catalog: BS9220 Host: Rabbit Reactivity: Human,Rat,Mouse

BackGround:

p53 is a transcription factor that mediates cell cycle arrest and apoptosis by binding to DNA and activating the transcription of specific genes. p53 is also thought to be involved in DNA repair by the transcriptional activation of a ribonucleotide reductase gene, p53R2, after exposure to genotoxic stresses. p53R2 displays a significant similarity to ribonucleotide reductase small subunit (R2), and the expression of R2 is elevated at the onset of the S-phase of the cell cycle. However, only p53R2 expression is induced in response to ultraviolet and g-irradiation and adriamycin treatment. p53R2 translocates to the nucleus upon DNA damage, and subsequently, supplies an immediate pool of dNTPs necessary for DNA repair.

Product:

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

Molecular Weight:

~ 40 kDa

Swiss-Prot:

Q7LG56

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

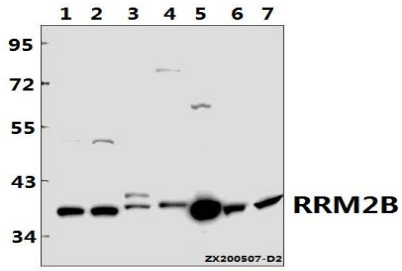
Storage&Stability:

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

Specificity:

p53R2 (F156) polyclonal antibody detects endogenous levels of p53R2 protein.

DATA:



Western blot (WB) analysis of RRM2B pAb at 1:2000 dilution

Lane1:A375 whole cell lysate(20ug)

Lane2:HCT116 whole cell lysate(20ug)

Lane3:The Brain tissue lysate of Mouse(40ug)

Lane4:The Prostate tissue lysate of Rat(40ug)

Lane5:CT26 whole cell lysate(40ug)

Lane6:H460 whole cell lysate(40ug)

Lane7:PC3 whole cell lysate(40ug)

Note:

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

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