RAD1 polyclonal antibody

Catalog: BS60274 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

DNA damage or incomplete replication of DNA results in inhibition of cell cycle progression at the G1-S or G2-M checkpoints by conserved regulatory mechanisms. Rad17 is involved in regulation of cell cycle arrest at the G1 checkpoint, whereas Chk1, Rad1, Rad9 and Hus1 are involved in regulation of cell cycle arrest at the G2 checkpoint. Over- expression of Rad17 results in p53 activation and an accumulation of cells in G1 phase. Chk1 functions as an essential component in the G2 DNA damage checkpoint by phosphorylating Cdc25C in response to DNA damage, thus inhibiting mitosis. Hus1 and Rad9 exhibit conserved function in fission yeast and higher eukaryotes. Hus1 has been shown to be phosphorylated in response to DNA damage, a process which requires rad checkpoint genes. Rad9 is thought to be a candidate tumor sup-pressor gene because it is localized to a region of human chromosome 11 containing a number of tumor suppressor loci.

Product:

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

Molecular Weight:

~ 32 kDa

Swiss-Prot:

O60671

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

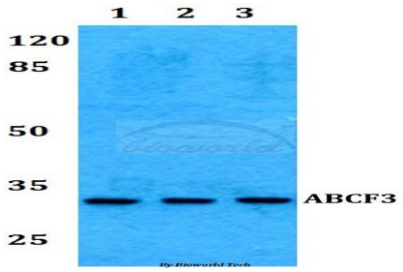
Storage&Stability:

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

Specificity:

RAD1 polyclonal antibody detects endogenous levels of RAD1 protein.

DATA:



Western blot (WB) analysis of RAD1 polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:H9C2 whole cell lysate

Note:

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

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