

GADD45B polyclonal antibody

Catalog: BS60080

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cell cycle progression is subject to arrest at G1 and G2 checkpoints in response to DNA damage, presumably to allow time for DNA repair prior to entry into S and M phase, respectively. The p53 tumor suppressor is required for one such G1 checkpoint and functions to up-regulate expression of GADD 45 and p21. GADD 45 binds both Cdks and PCNA, a protein involved in DNA replication and repair. GADD 45 stimulates DNA excision repair in vitro and inhibits entry of cells into S phase. Thus, it has been suggested that GADD 45 may serve as a link between the p53-dependent cell cycle checkpoint and DNA repair. GADD 45-like proteins, GADD 45 β and GADD 45 γ , have been shown to be induced by environmental stresses. GADD 45 β and GADD 45 γ are thought to induce p38/JNK activation via MEKK4 activation.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 25 kDa

Swiss-Prot:

O75293

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

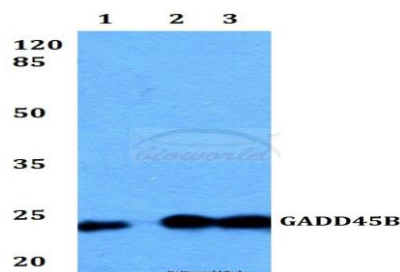
Storage & Stability:

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

Specificity:

GADD45B polyclonal antibody detects endogenous levels of GADD45B protein.

DATA:



Western blot (WB) analysis of GADD45B polyclonal antibody at 1:500 dilution

Lane 1: MCF-7 whole cell lysate

Lane 2: NIH-3T3 whole cell lysate

Lane 3: H9C2 whole cell lysate

Note:

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

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