

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



GADD 45 γ (S123) Peptide

Cat No.: BS9140P

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 upregulate 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.

Swiss-Prot

O95257

Applications

Blocking

Specificity

This peptide can be used with studies using BS9140 GADD 45 γ (S123) pAb.

Purification & Purity

Synthetic peptide GADD 45 γ (S123). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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

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