
anti-GADD 45

Cat #: HM1158
Rabbit polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

APPLICATIONS

GADD45 is a member of proteins whose levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. It responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The transcription of GADD45 is mediated by both p53-dependent and -independent mechanisms. GADD 45 binds both Cdks and PCNA, protein involved in DNA replication and repair. GADD 45 has been shown to stimulate DNA excision repair *in vitro* and to inhibit entry of cells into S phase. Thus, it has been suggested that GADD 45 may serve as a link between p53-dependent cell cycle checkpoint and DNA repair.

SPECIFICITY

This antibody specifically reacts with GADD 45 of human, mouse and rat origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A recombinant protein corresponding to the full length GADD 45 of human origin.

STORAGE

This antibody is stable for 24 months when stored at 2-8°C.

REFERENCE

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