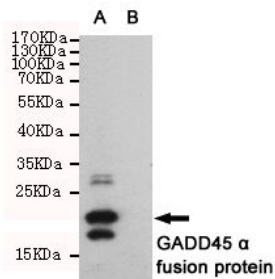


GADD45 α

Mouse monoclonal Antibody

#53653

Catalog Number: 53653**Amount:** 100 μ g/100 μ l**Swiss-Prot No. :** P24522**Gene name:** gadd45a**Gene id:** 1647**Clone Number:** 6C3-G3-E9**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human GADD45 α protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of GADD45 α and does not cross-react with related proteins**Reactivity:** Transfected**Applications:** Predicted MW: 22kd WB: 1:1000

Western blot detection of GADD45 α in CHO-K1 cell lysate (B) and CHO-K1 transfected by GADD45 α His fusion protein (A) cell lysate using GADD45 α mouse mAb (1:1000 diluted). Predicted band size:22KDa. Observed band size:22KDa.

Background:

This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase. The DNA damage-induced transcription of this gene is mediated by both p53-dependent and -independent mechanisms. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.