

GADD45α mouse mAb

Catalog No :	YM1420
Reactivity :	Transfected
Applications :	WB
Target :	GADD45α
Fields :	>>MAPK signaling pathway;>>NF-kappa B signaling pathway;>>FoxO signaling pathway;>>Cell cycle;>>p53 signaling pathway;>>Apoptosis;>>Cellular senescence;>>Epstein-Barr virus infection;>>Pathways in cancer;>>Transcriptional misregulation in cancer;>>Colorectal cancer;>>Pancreatic cancer;>>Endometrial cancer;>>Glioma;>>Thyroid cancer;>>Basal cell carcinoma;>>Melanoma;>>Chronic myeloid leukemia;>>Small cell lung cancer;>>Non-small cell lung cancer;>>Breast cancer;>>Hepatocellular carcinoma;>>Gastric cancer
Gene Name :	<u>gadd45a</u>
Human Gene Id :	1647
Human Swiss Prot No :	P24522
Mouse Swiss Prot No :	P48316
Immunogen :	Purified recombinant human GADD45 α protein expressed in E.coli
Specificity :	Transfected Only.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb dilution 1:1000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. <u>1 mg/ml</u>

Storage & Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 22kD

Cell Pathway : MAPK_ERK_Growth;MAPK_G_Protein;Cell_Cycle_G1S;Cell_Cycle_G2M_DNA;p53;

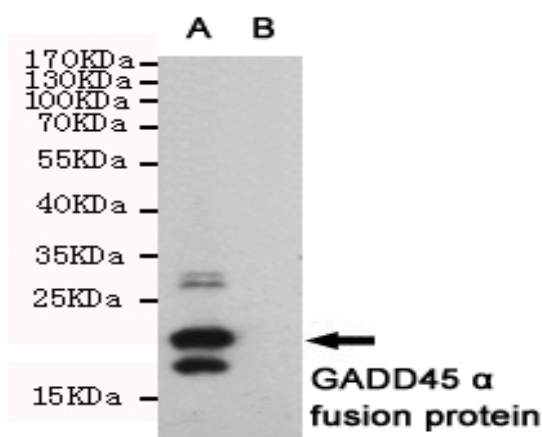
Background : This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 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.[provided by RefSeq, Dec 2010],

Function : disease:Induction of GADD45 in ataxia telangiectasia cells is abnormal.,function:Binds to proliferating cell nuclear antigen. Might affect PCNA interaction with some CDK (cell division protein kinase) complexes; stimulates DNA excision repair in vitro and inhibits entry of cells into S phase.,induction:By UV radiation, X-rays, growth arrest and alkylating agents. The induction is mediate by some kinase(s) other than PKC.,similarity:Belongs to the GADD45 family.,subunit:Interacts with GADD45GIP1.,

Subcellular Location : Nucleus .

Expression : Bronchial epithelial cells treated with 20 uM arsenic for 4

Products Images



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.