



GADD45α mouse mAb

Catalog No	YP-Ab-04486
Isotype	IgG
Reactivity	Transfected
Applications	WB
Gene Name	gadd45a
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
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb dilution 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GADD45α;gadd45a;DDIT 1;DDIT-1;DDIT1;DNA damage inducible transcript 1; DNA damage-inducible transcript 1 protein;GA45A_HUMAN;GADD45;Growth arrest and DNA damage inducible 45 alpha;Growth arrest and DNA damage inducible alpha;Growth arrest and DNA damage-inducible protein GADD45 alpha.
Observed Band	22kD
Calculated Molecular Weight	22kD
Cell Pathway	Nucleus .
Tissue Specificity	Bronchial epithelial cells treated with 20 uM arsenic for 4
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.,



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],

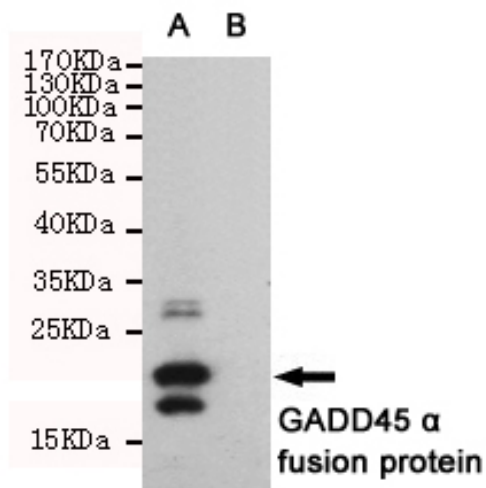
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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.