



# GADD45α mouse mAb

<b>Catalog No</b>	YP-Ab-04486
<b>Isotype</b>	IgG
<b>Reactivity</b>	Transfected
<b>Applications</b>	WB
<b>Gene Name</b>	gadd45a
<b>Protein Name</b>	
<b>Immunogen</b>	Purified recombinant human GADD45 α protein expressed in E.coli
<b>Specificity</b>	Transfected Only.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	wb dilution 1:1000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	DDIT 1; DDIT-1; DDIT1; DNA damage inducible transcript 1; DNA damage-inducible transcript 1 protein; GA45A_HUMAN; GADD45; GADD45A; Growth arrest and DNA damage inducible 45 alpha; Growth arrest and DNA damage inducible alpha; Growth arrest and DNA damage-inducible protein GADD45 alpha.
<b>Observed Band</b>	22kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Bronchial epithelial cells treated with 20 uM arsenic for 4
<b>Function</b>	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.,
<b>Background</b>	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],

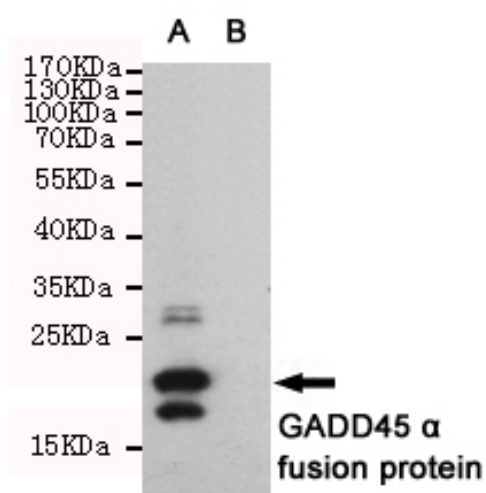
#### matters needing attention

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  $\alpha$  in CHO-K1 cell lysate(B)and CHO-K1 transfected by GADD45  $\alpha$  His fusion protein(A)cell lysate using GADD45  $\alpha$  mouse mAb (1:1000 diluted). Predicted band size:22KDa. Observed band size:22KDa.