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GADD45α Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52842

Product Information

Application	WB
Primary Accession	P24522
Reactivity	Transfected
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	18336

Additional Information

Gene ID	1647
Other Names	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.
Dilution	WB~~1:1000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	GADD45A
Synonyms	DDIT1, GADD45
Function	In T-cells, functions as a regulator of p38 MAPKs by inhibiting p88 phosphorylation and activity (By similarity). 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.
Cellular Location	Nucleus.

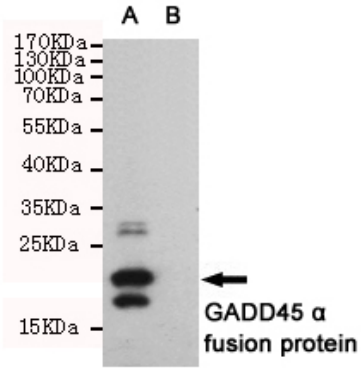
Background

In T-cells, functions as a regulator of p38 MAPKs by inhibiting p88 phosphorylation and activity (By similarity). 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.

References

Papathanasiou M.A.,et al.Mol. Cell. Biol. 11:1009-1016(1991).
Hollander M.C.,et al.J. Biol. Chem. 268:24385-24393(1993).
Zhang Y.,et al.Nucleic Acids Res. 34:485-495(2006).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.