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GADD45A Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GADD45A.
Catalog # AT2145a

Product Information

Application	WB
Primary Accession	P24522
Other Accession	BC011757
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	3D12
Calculated MW	18336

Additional Information

Gene ID	1647
Other Names	Growth arrest and DNA damage-inducible protein GADD45 alpha, DNA damage-inducible transcript 1 protein, DDIT-1, GADD45A, DDIT1, GADD45
Target/Specificity	GADD45A (AAH11757, 76 a.a. ~ 165 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GADD45A Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

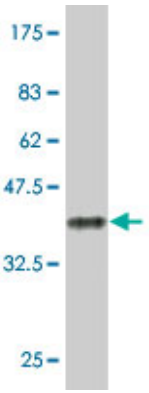
This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4 kinase.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

References

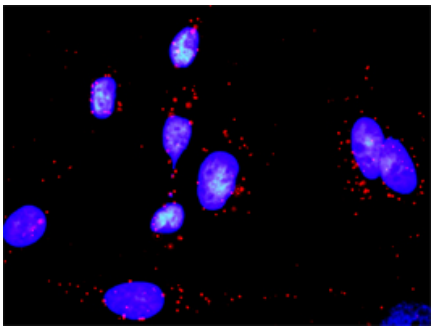
1.Inhibition of NF-kB activation sensitizes U937 cells to 3-azido-3-deoxythymidine induced

apoptosis.Matteucci C, Minutolo A, Balestrieri E, Marino-Merlo F, Bramanti P, Garaci E, Macchi B, Mastino A.Cell Death and Disease (2010) 1, e81; doi:10.1038/ cddis.2010.582.Decitabine-Induced Demethylation of 5'CpG Island in GADD45A Leads to Apoptosis in Osteosarcoma Cells.Al-Romaih K, Sadikovic B, Yoshimoto M, Wang Y, Zielenska M, Squire JA.Neoplasia. 2008 May;10(5):471-80.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.53 KDa) .



Detection limit for recombinant GST tagged GADD45A is approximately 3ng/ml as a capture antibody.

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