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Product datasheet for TA507370

GADD45A Mouse Monoclonal Antibody [Clone ID: OTI1C9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1C9
Applications:	WB
Recommended Dilution:	WB 1:4000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GADD45A(NP_001915) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	18.2 kDa
Gene Name:	growth arrest and DNA damage inducible alpha
Database Link:	NP_001915 Entrez Gene 13197 MouseEntrez Gene 25112 RatEntrez Gene 1647 Human P24522

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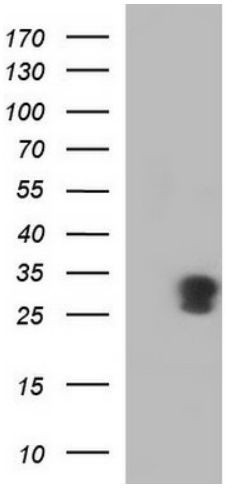
Background: This gene is a member of a group of genes whose transcript levels are increased following stressful growth arrest conditions and treatment with DNA-damaging agents. The protein encoded by this gene responds to environmental stresses by mediating activation of the p38/JNK pathway via MTK1/MEKK4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

Synonyms: DDIT1; GADD45

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Cell cycle, MAPK signaling pathway, p53 signaling pathway

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY GADD45A (Cat# [RC204005], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GADD45A (Cat# TA507370). Positive lysates [LY419659] (100ug) and [LC419659] (20ug) can be purchased separately from OriGene.