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Product datasheet for TA505437S

GADD45G Mouse Monoclonal Antibody [Clone ID: OTI2F12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2F12
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB 1:4000, IHC 1:150, IF 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GADD45G(NP_006696) 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:	16.9 kDa
Gene Name:	growth arrest and DNA damage inducible gamma
Database Link:	NP_006696 Entrez Gene 23882 MouseEntrez Gene 291005 RatEntrez Gene 10912 Human O95257
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 GADD45G is highly expressed in placenta. [provided by RefSeq, Jul 2008]

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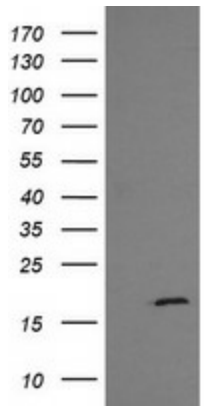
Synonyms: CR6; DDIT2; GADD45gamma; GRP17

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 GADD45G (Cat# [RC201364], 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-GADD45G(Cat# [TA505437]). Positive lysates [LY416476] (100ug) and [LC416476] (20ug) can be purchased separately from OriGene.

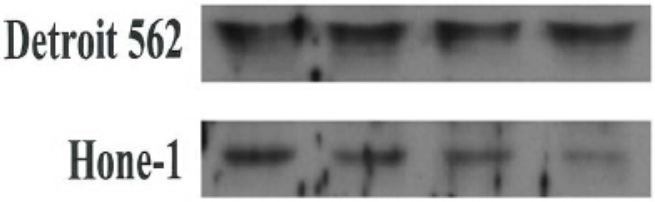
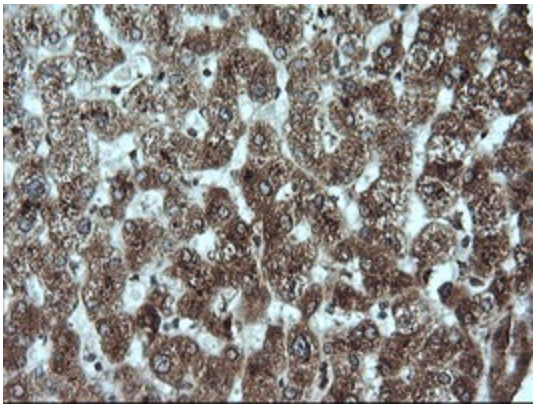


Figure from citation: Western Blot of GADD45G protein level by using anti-GADD45G antibody in human NPC cell lines. View Citation



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-GADD45G mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505437])

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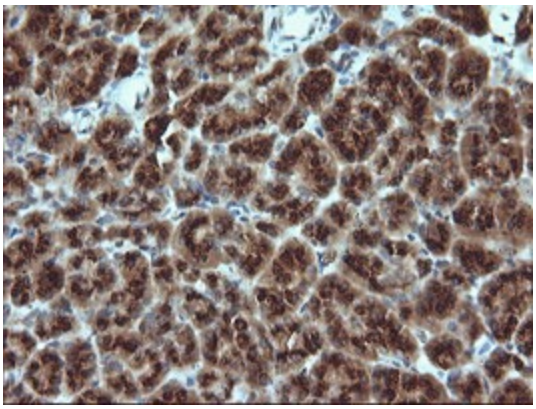
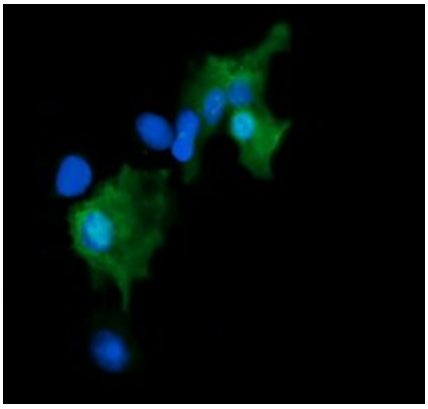


Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-GADD45G mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA505437])



Anti-GADD45G mouse monoclonal antibody ([TA505437]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY GADD45G ([RC201364]).

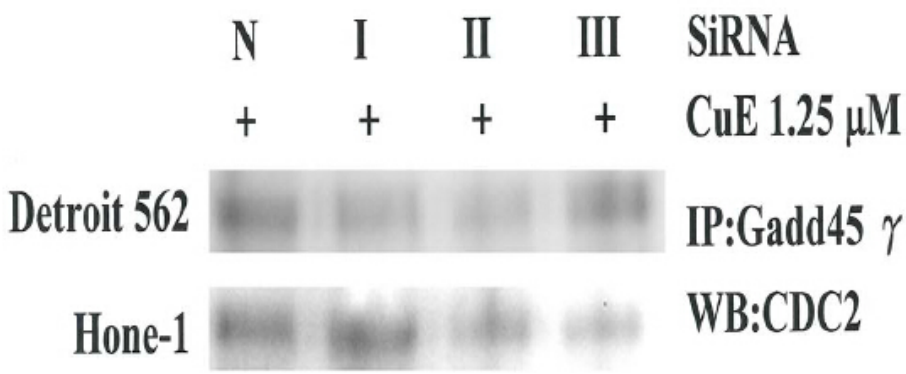


Figure from citation: Immunoprecipitation of GADD45G protein level by using anti-GADD45G antibody in human NPC cell lines. View Citation

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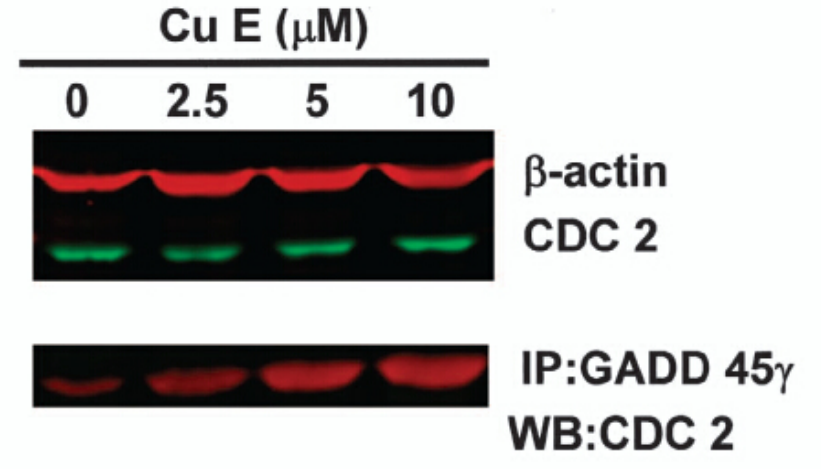

Figure from citation: Immunoprecipitation of GADD45G protein level by using anti-GADD45G antibody in human GBM8401 cells. View Citation

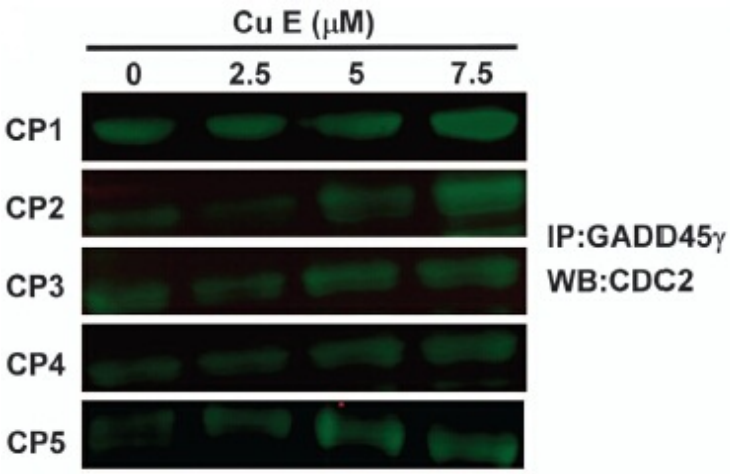

Figure from citation: Immunoprecipitation of GADD45G protein level by using anti-GADD45G antibody in human CRC cells. View Citation

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