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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GADD45A monoclonal antibody (M01), clone 3D12

Catalog # : H00001647-M01

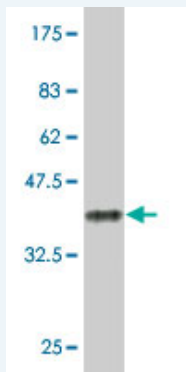
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant GADD45A.
Immunogen:	GADD45A (AAH11757, 76 a.a. ~ 165 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	TLIQAFCCENDINILRVSNPGRRLAELLLLLETDAGPAASEGAEQPPDLHCVLVTNPHSSQWKDPALSQLICFCRESRYMDQWVIVINLPER
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (35.53 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Publication Reference

- Inhibition of NF- κ B 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.2010.58
- 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.

Applications

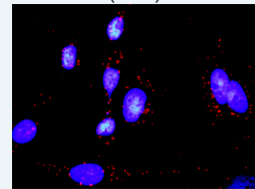
Application Image

Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)


ELISA

In situ Proximity Ligation Assay (Cell)




[enlarge](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

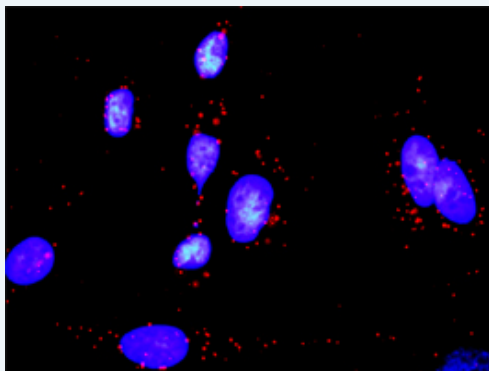
Sandwich ELISA (Recombinant protein)

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

 [Protocol Download](#)

ELISA

In situ Proximity Ligation Assay (Cell)



Proximity Ligation Analysis of protein-protein interactions between MAP2K6 and GADD45A. HeLa cells were stained with anti-MAP2K6 rabbit purified polyclonal 1:1200 and anti-GADD45A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Information

Entrez GeneID: [1647](#)

GeneBank [BC011757](#)
Accession#:

Protein [AAH11757](#)
Accession#:

Gene Name: GADD45A

Gene Alias: DDIT1,GADD45

Gene Description: growth arrest and DNA-damage-inducible, alpha

Omim ID: [126335](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: 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. [provided by RefSeq]

Other Designations: DNA damage-inducible transcript 1,DNA damage-inducible transcript-1,DNA-damage-inducible transcript 1,OTTHUMP00000010979,growth arrest and DNA-damage-inducible 45 alpha

Gene Pathway

Cell cycle [MAPK signaling pathway](#) [p53 signaling pathway](#)

Related Disease

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[Colorectal Neoplasms](#) [Genetic Predisposition to Disease](#) [Lung Neoplasms](#)
[Microsatellite Instability](#) [Neoplasms, Glandular and Epithelial](#) [Occupational Diseases](#)
[Ovarian cancer](#) [Ovarian Neoplasms](#) [Pulmonary Disease, Chronic Obstructive](#)
[Schizophrenia](#) [Schizophrenia, Paranoid](#)

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