

GADD45G Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant GADD45G.

Catalog # AT2146a

Specification

GADD45G Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O95257
Other Accession	BC019325
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	17121

GADD45G Antibody (monoclonal) (M01) - Additional Information

Gene ID 10912

Other Names

Growth arrest and DNA damage-inducible protein GADD45 gamma, Cytokine-responsive protein CR6, DNA damage-inducible transcript 2 protein, DDIT-2, GADD45G, CR6, DDIT2

Target/Specificity

GADD45G (AAH19325, 1 a.a. ~ 159 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

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

GADD45G Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

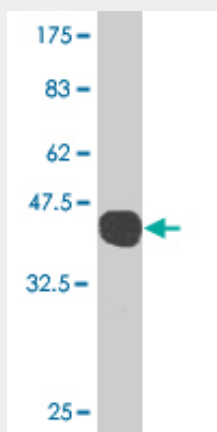
GADD45G Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

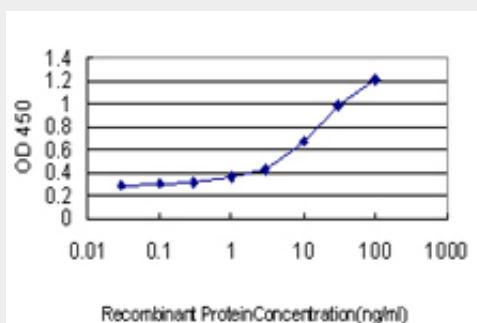
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GADD45G Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.23 kDa) .



Detection limit for recombinant GST tagged GADD45G is approximately 0.03ng/ml as a capture antibody.

GADD45G Antibody (monoclonal) (M01) - 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.

GADD45G Antibody (monoclonal) (M01) - References

1. The novel histone deacetylase inhibitor, LBH589, induces expression of DNA damage response genes and apoptosis in Ph- acute lymphoblastic leukemia cells. Scuto A, Kirschbaum M, Kowolik C, Kretzner L, Juhasz A, Atadja P, Pullarkat V, Bhatia R, Forman S, Yen Y, Jove R. Blood. 2008 May 15;111(10):5093-100. Epub 2008 Mar 18.