

# GADD45G Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant GADD45G.

Catalog # AT2146a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">O95257</a>
<b>Other Accession</b>	<a href="#">BC019325</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	1D3
<b>Calculated MW</b>	17121

## Additional Information

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<b>Gene ID</b>	10912
<b>Other Names</b>	Growth arrest and DNA damage-inducible protein GADD45 gamma, Cytokine-responsive protein CR6, DNA damage-inducible transcript 2 protein, DDIT-2, GADD45G, CR6, DDIT2
<b>Target/Specificity</b>	GADD45G (AAH19325, 1 a.a. ~ 159 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	GADD45G Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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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.

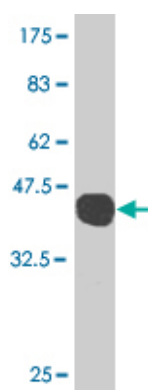
## References

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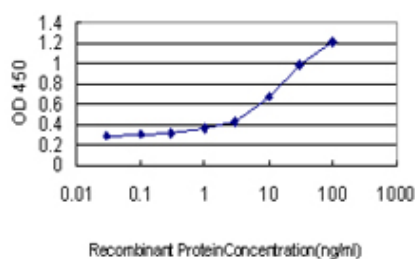
1.The novel histone deacetylase inhibitor, LBH589, induces expression of DNA damage response genes and

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.

## 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.

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