

# GADD45G Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14768a

## Product Information

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Application	WB, E
Primary Accession	<a href="#">Q95257</a>
Other Accession	<a href="#">Q9WTQ7</a> , <a href="#">Q9Z111</a> , <a href="#">NP_006696.1</a>
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35030
Calculated MW	17121
Antigen Region	1-30

## Additional Information

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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	This GADD45G antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human GADD45G.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GADD45G Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	GADD45G
Synonyms	CR6, DDIT2

## Function

Involved in the regulation of growth and apoptosis. Mediates activation of stress-responsive MTK1/MEKK4 MAPKKK.

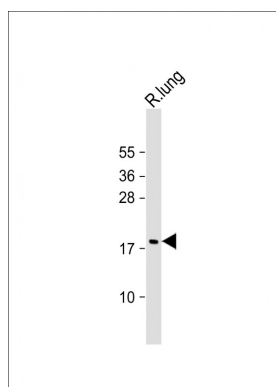
## Background

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.

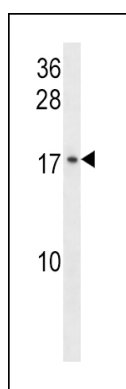
## References

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Zhu, N., et al. Mol. Biol. Rep. 36(8):2075-2085(2009)  
Yu, S., et al. Am. J. Nephrol. 30(2):135-139(2009)  
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## Images



Anti-GADD45G Antibody (N-term) at 1:500 dilution + rat lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 17 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.



GADD45G Antibody (N-term) (Cat. #AP14768a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the GADD45G antibody detected the GADD45G protein (arrow).

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