

GADD45G Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14768a**Specification**

GADD45G Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O95257
Other Accession	O9WTO7 , O9Z111 , NP_006696.1
Reactivity	Human, Rat
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	17121
Antigen Region	1-30

GADD45G Antibody (N-term) - 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

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~~1:500

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.

GADD45G Antibody (N-term) - Protein Information**Name** GADD45G

Synonyms CR6, DDIT2

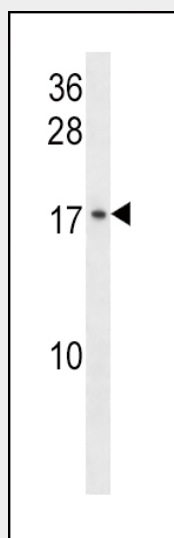
Function Involved in the regulation of growth and apoptosis. Mediates activation of stress-responsive MTK1/MEKK4 MAPKKK.

GADD45G Antibody (N-term) - Protocols

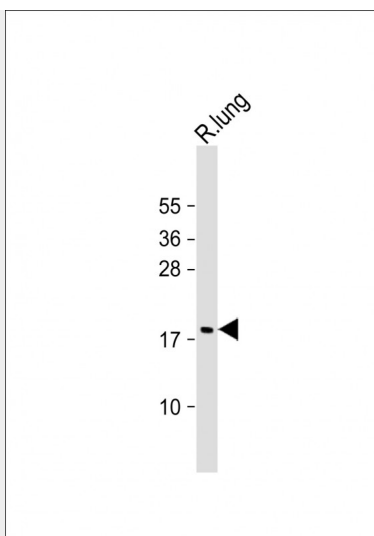
Provided below are standard protocols that you may find useful for product applications.

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

GADD45G Antibody (N-term) - Images



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).



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) - 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 (N-term) - References

- Flores, O., et al. Endocrinology 151(10):4654-4664(2010)
- Zhang, W., et al. J. Cancer Res. Clin. Oncol. 136(8):1267-1273(2010)
- Zhu, N., et al. Mol. Biol. Rep. 36(8):2075-2085(2009)
- Yu, S., et al. Am. J. Nephrol. 30(2):135-139(2009)
- Palmieri, R.T., et al. Cancer Epidemiol. Biomarkers Prev. 17(12):3567-3572(2008)