

# Product Datasheet

## GADD45 alpha Antibody (3D12) - Azide and BSA Free H00001647-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00001647-M01](http://www.novusbio.com/H00001647-M01)

Updated 2/21/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/H00001647-M01](http://www.novusbio.com/reviews/destination/H00001647-M01)



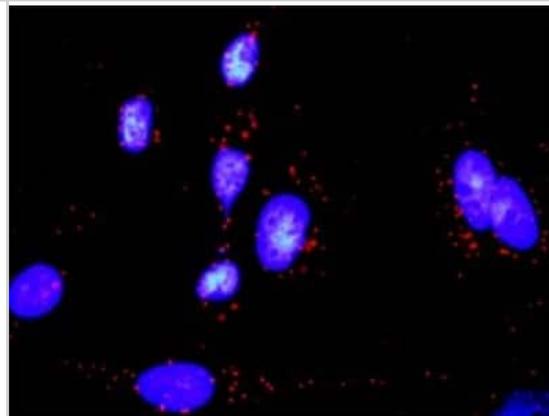
**H00001647-M01**

GADD45 alpha Antibody (3D12) - Azide and BSA Free

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3D12
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	1647
<b>Gene Symbol</b>	GADD45A
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	GADD45A - growth arrest and DNA-damage-inducible, alpha
<b>Immunogen</b>	GADD45A (AAH11757, 76 a.a. ~ 165 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. TLIQAFCCENDINILRVSNPGRLELLLETDAGPAASEGAEQPPDLHCVLVTNP HSSQWKDPALSQLICFCRESRYMDQWVPVINLPER
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, Simple Western, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Proximity Ligation Assay
<b>Recommended Dilutions</b>	Western Blot 1:500, Simple Western, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Proximity Ligation Assay
<b>Application Notes</b>	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control. Use in Simple Western reported in scientific literature (PMID:29890265). See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: separated by Size

## Images

Proximity Ligation Assay: GADD45 alpha Antibody (3D12) [H00001647-M01] - 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).



## Publications

Mossoba ME, Vohra S, Toomer H et al. Diglycolic acid induces HepG2/C3A liver cell toxicity in vitro Toxicol In Vitro. [PMID: 29890265] (Simple Western, Human)

Matteucci C, Minutolo A, Balestrieri E et al. Inhibition of NF-kB activation sensitizes U937 cells to 3-azido-3-deoxythymidine induced apoptosis. Cell Death and Disease. 2010-01-01 [PMID: 21368854]

Al-Romaih K, Sadikovic B, Yoshimoto M et al. Decitabine-Induced Demethylation of 5'CpG IsI in GADD45A Leads to Apoptosis in Osteosarcoma Cells. Neoplasia;10(5):471-80. 2008-05-01 [PMID: 18472964]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00001647-M01**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-44475	Recombinant Human GADD45 alpha His Protein

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/H00001647-M01](http://www.novusbio.com/reviews/submit/H00001647-M01)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

