

# 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.

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**H00001647-M01**

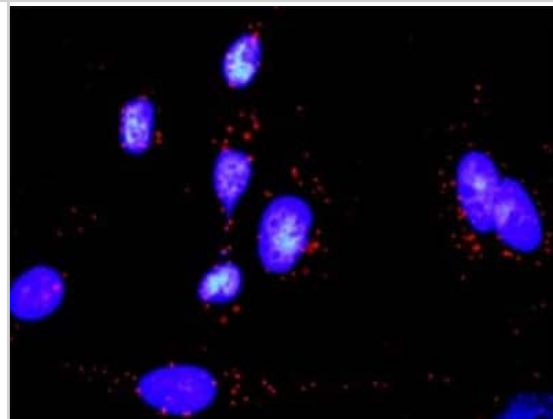
GADD45 alpha Antibody (3D12) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3D12
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	1647
Gene Symbol	GADD45A
Species	Human
Specificity/Sensitivity	GADD45A - growth arrest and DNA-damage-inducible, alpha
Immunogen	GADD45A (AAH11757, 76 a.a. ~ 165 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. TLIAFCCENDINILRVSNPGRLEALLLETDAGPAASEGAEQPPDLHCVLVTNP HSSQWKDPALSQLICFCRESRYMDQWVPVINLPER
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Proximity Ligation Assay
Recommended Dilutions	Western Blot 1:500, Simple Western, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Proximity Ligation Assay
Application Notes	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 Isl in GADD45A Leads to Apoptosis in Osteosarcoma Cells. Neoplasia;10(5):471-80. 2008-05-01 [PMID: 18472964]



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

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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

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### **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.

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