

# Product Datasheet

## GADD34 Antibody NB100-778

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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



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Updated 9/9/2025 v.20.1

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**NB100-778****GADD34 Antibody**

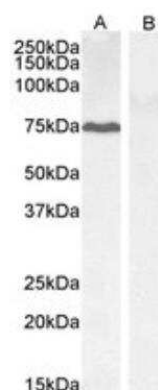
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat GADD34 Antibody (NB100-778) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-GADD34 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	23645
Gene Symbol	PPP1R15A
Species	Human
Marker	ER Stress Marker
Immunogen	Peptide with sequence C-AAALDLSGRRG corresponding to C-Terminus according to NP_055145.3.

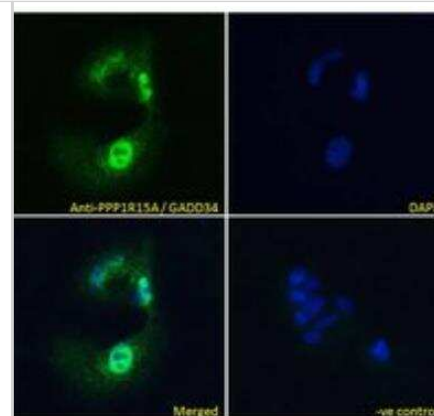
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.3-1 ug/ml, Flow Cytometry 10 ug/ml, Immunohistochemistry 2 - 4 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Immunohistochemistry-Paraffin 2-4ug/ml, Peptide ELISA Detection limit 1:128000
Application Notes	WB: Approx. 75 kDa band observed in HepG2 lysates (calculated MW of 73.4 kDa band according to NP_055145.2). IHC-P: Human liver shows cytoplasmic staining consistent with ER in the hepatocytes.

**Images**

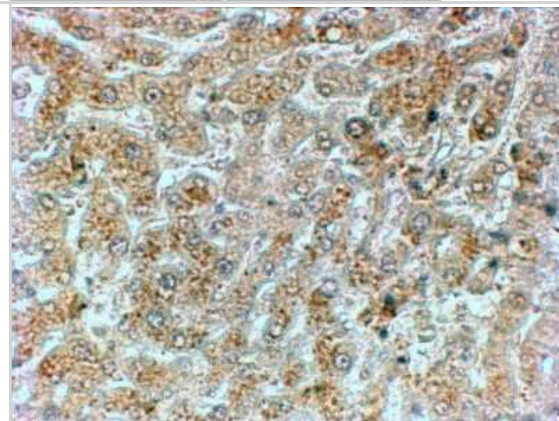
Western Blot: GADD34 Antibody [NB100-778] - Staining of HepG2 (A) and negative control KLY (B) lysate (35ug protein in RIPA buffer) Detected by chemiluminescence.



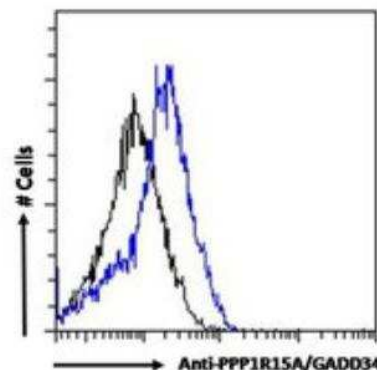
**Immunocytochemistry/Immunofluorescence:** GADD34 Antibody [NB100-778] - Analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing strong nuclear and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



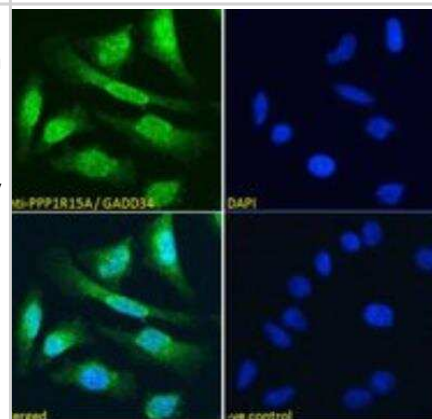
**Immunohistochemistry-Paraffin:** GADD34 Antibody [NB100-778] - (2ug/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



**Flow Cytometry:** GADD34 Antibody [NB100-778] - Analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (0.4ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



**Immunocytochemistry/Immunofluorescence:** GADD34 Antibody [NB100-778] - Analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing strong nuclear and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



## Publications

Cavallini C, Lovato O, Bertolaso A et al. Expression and function of the TL1A/DR3 axis in chronic lymphocytic leukemia. *Oncotarget*. 2015-10-13 [PMID: 26393680]

### Details:

This citation used the Biotin version of this antibody.

Kojima E, Takeuchi A, Haneda M et al. The function of GADD34 is a recovery from a shutoff of protein synthesis induced by ER stress: elucidation by GADD34-deficient mice. *FASEB J* 2003-08-01 [PMID: 12824288]

Aghi M, Rabkin S, Martuza RL. Effect of chemotherapy-induced DNA repair on oncolytic herpes simplex viral replication. *J Natl Cancer Inst*. 2006-01-04 [PMID: 16391370]





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### **Products Related to NB100-778**

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NBL1-14676	GADD34 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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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