

Product Datasheet

GADD153/CHOP Antibody (9C8)

NB600-1335

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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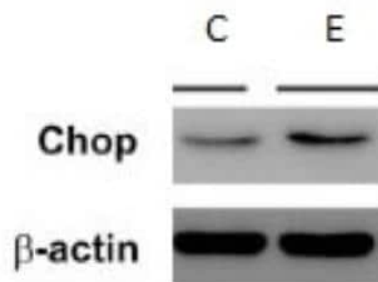
NB600-1335

GADD153/CHOP Antibody (9C8)

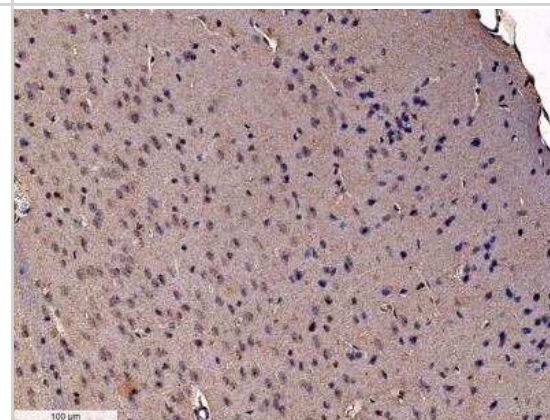
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	9C8
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A purified
Buffer	Tris-Glycine, 0.15 M NaCl
Target Molecular Weight	19 kDa
Product Description	
Host	Mouse
Gene ID	1649
Gene Symbol	DDIT3
Species	Human, Mouse, Rat, Primate
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID:32828953). Human, mouse, rat and primate.
Marker	ER Stress Marker
Immunogen	Full length mouse CHOP/GADD153 [Swiss-Prot# P35639]
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Flow Cytometry, Gel Super Shift Assays, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Knockdown Validated
Recommended Dilutions	Western Blot, Simple Western 1:250, Flow Cytometry, ELISA, Immunohistochemistry 1:100, Immunocytochemistry/Immunofluorescence 1:100, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:100, Gel Super Shift Assays, Chromatin Immunoprecipitation (ChIP), Knockdown Validated
Application Notes	<p>Use in Knockdown Validated reported in scientific literature (PMID:32828953) In Western blot a band can be seen at approx. 29 Knockdown Validated. Gel Super Shift Assays was reported in scientific literature.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors. Use in chromatin immunoprecipitation reported in scientific literature (PMID: 30962207). Use in ELISA reported in scientific literature (PMID: 29915575). Use in FLOW reported in scientific literature (PMID: 8650547).</p>

Images

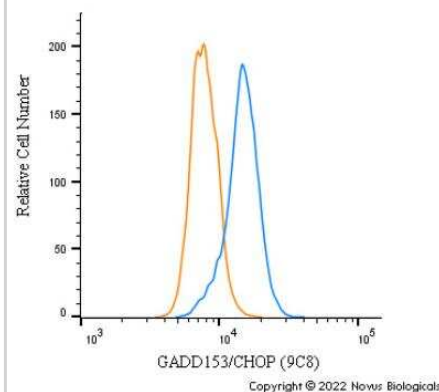
Western Blot: GADD153/CHOP Antibody (9C8) [NB600-1335] - Ethanol feeding increases CHOP expression. Image from verified customer review.



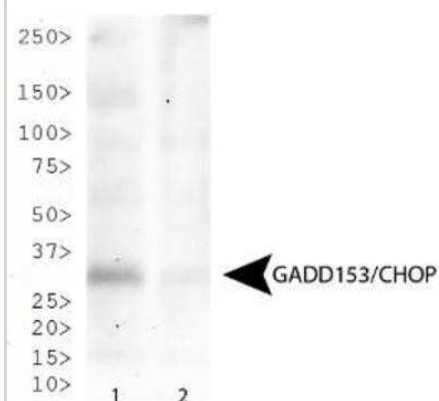
Immunohistochemistry-Paraffin: GADD153/CHOP Antibody (9C8) [NB600-1335] - FFPE tissue section of mouse brain using 1:100 dilution of GADD153/CHOP antibody. The signal was developed using HRP-DAB based detection method which followed counterstaining of the nuclei with hematoxylin. The antibody generated a cytoplasmic and nuclear staining of CHOP in various cell types in the tested section.



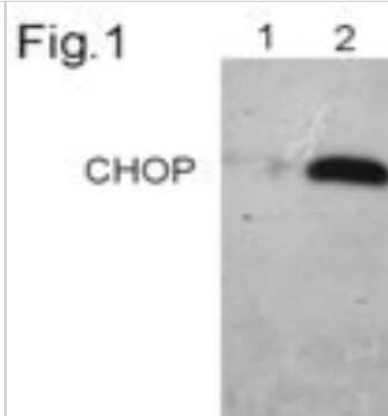
Flow Cytometry: GADD153/CHOP Antibody (9C8) [NB600-1335] - An intracellular stain was performed on SK-MEL-28 cells with GADD153/CHOP Antibody (9C8) NB600-1335 (blue) and a matched isotype control MAB004 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 µg/mL for 30 minutes at room temperature, followed by Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Dylight 550 (84540, Thermo Fisher).



Western Blot: GADD153/CHOP Antibody (9C8) [NB600-1335] - GADD153/CHOP expression in HeLa cells treated with 2.5 µg/mL tunicamycin for 4 hours (Lane 1) and untreated (Lane 2).



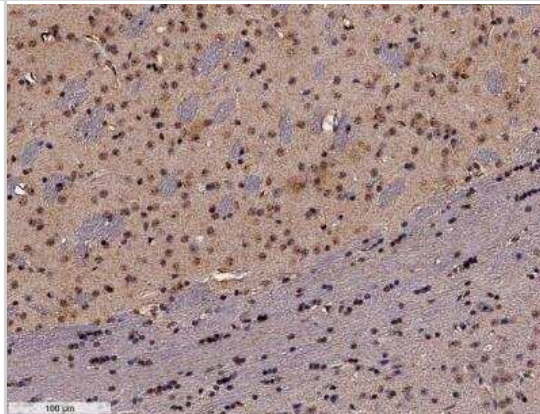
Western Blot: GADD153/CHOP Antibody (9C8) [NB600-1335] - Analysis of endogenous CHOP/GADD153 from primary human fibroblasts using NB600-1335. Lane 1: Untreated cells, Lane 2: Cells treated with tunicamycin for 10 hours.



Western Blot: GADD153/CHOP Antibody (9C8) [NB600-1335] - Analysis of CHOP in rat heart tissue lysate. Image courtesy of product review submitted by Lee Hsiao-Wei.



Immunohistochemistry-Paraffin: GADD153/CHOP Antibody (9C8) [NB600-1335] - FFPE tissue section of mouse brain using 1:100 dilution of GADD153/CHOP antibody. The signal was developed using HRP-DAB based detection method which followed counterstaining of the nuclei with hematoxylin. The antibody generated a cytoplasmic and nuclear staining of CHOP in various cell types in the tested section.



Simple Western: GADD153/CHOP Antibody (9C8) [NB600-1335] - Image shows a specific band for CHOP/GADD153 in 1.0 mg/mL of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Publications

Gatz C, Hathazi D, Münchberg U et al. Identification of Cellular Pathogenicity Markers for SIL1 Mutations Linked to Marinesco-Sjögren Syndrome *Frontiers in Neurology* 2019-06-14 [PMID: 31258504] (WB)

Mekhael O, Revill SD, Hayat AI et al. Myeloid-specific deletion of activating transcription factor 6 alpha increases CD11b+ macrophage subpopulations and aggravates lung fibrosis *Immunology and cell biology* 2023-03-02 [PMID: 36862017] (ICC/IF, Mouse)

Chandrasekaran R, Bruno SR, Mark ZF et al. Mitoquinone mesylate attenuates pathologic features of lean and obese allergic asthma in mice *American journal of physiology. Lung cellular and molecular physiology* 2022-12-13 [PMID: 36511516] (WB, Mouse)

Details:

Dilutions: 1:500

Preston AJ The Cancer Protective Properties of an Elephant TP53 Retrogene Thesis 2022-01-01

Dolatabadi S, Jonasson E, Andersson L Et al. FUS-DDIT3 Fusion Oncoprotein Expression Affects JAK-STAT Signaling in Myxoid Liposarcoma *Front Oncol* 2022-02-21 [PMID: 35186752] (IP, Human)

Details:

Citation using the Biotin version of this antibody.

Wu L, He S, Ye W Et al. Surf4 facilitates reprogramming by activating the cellular response to endoplasmic reticulum stress *Cell proliferation* 2021-11-01 [PMID: 34585448] (WB, Mouse)

Zhao S, Chen W, Li W et al. LncRNA TUG1 attenuates ischaemia-reperfusion-induced apoptosis of renal tubular epithelial cells by sponging miR-144-3p via targeting Nrf2 *Journal of cellular and molecular medicine* 2021-09-21 [PMID: 34547172] (WB, Mouse)

Fresia D, Cannizzaro E, Borgo A, Roduit R GSH-Independent Induction of ER Stress during Hypoglycaemia in the Retinal Cells of Mice *Journal of Clinical Medicine* 2021-06-07 [PMID: 34200353] (WB, Mouse)

Su C Tanshinone IIA inhibits human gastric carcinoma AGS cell growth by decreasing BiP, TCTP, Mcl 1 and Bcl xL and increasing Bax and CHOP protein expression. *Int J Mol Med* 2014-01-12 [PMID: 25270224] (WB, Human)

Zhang XT, Hu XB, Wang HL et al. Activation of unfolded protein response overcomes Ibrutinib resistance in diffuse large B-cell lymphoma *Acta Pharmacol. Sin.* 2020-08-27 [PMID: 32855532]

Chen L, Xia YF, Shen SF et al. Syntaxin 17 inhibits ischemic neuronal injury by resuming autophagy flux and ameliorating endoplasmic reticulum stress *Free Radic. Biol. Med.* 2020-08-20 [PMID: 32828953] (WB, Mouse)

Anand S, Chatterjee N, Espinosa-Diez C A miR-494 dependent feedback loop regulates ER stress *BioRxiv* 2020-01-01 (ICC/IF, Human)

More publications at <http://www.novusbio.com/NB600-1335>



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Products Related to NB600-1335

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)
NB600-1335B	GADD153/CHOP Antibody (9C8) [Biotin]

Limitations

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