

Product Datasheet

GADD34 Antibody (OTI3D12)

NBP2-01787

Unit Size: 0.1 ml

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

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NBP2-01787

GADD34 Antibody (OTI3D12)

Product Information	
Unit Size	0.1 ml
Concentration	0.25 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI3D12
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	73.3 kDa

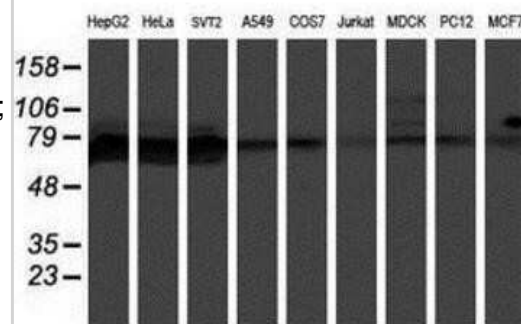
Product Description	
Description	Novus Biologicals Mouse GADD34 Antibody (OTI3D12) (NBP2-01787) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-GADD34 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	23645
Gene Symbol	PPP1R15A
Species	Human, Mouse, Rat, Canine, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Marker	ER Stress Marker
Immunogen	Full length human recombinant protein of human PPP1R15A(NP_055145) produced in HEK293T cell.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150

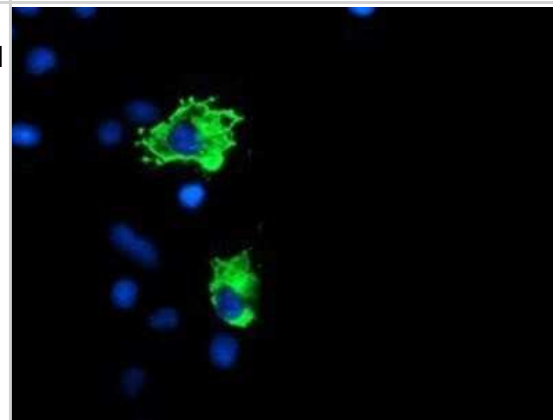


Images

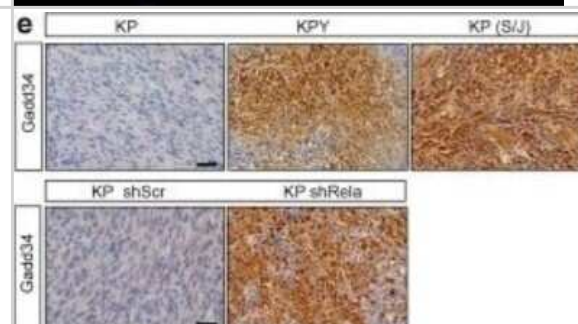
Western Blot: GADD34 Antibody (OTI3D12) [NBP2-01787] - Analysis of extracts (35ug) from 9 different cell lines by using anti-GADD34 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



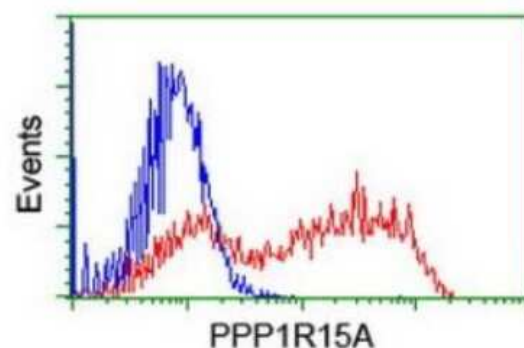
Immunocytochemistry/Immunofluorescence: GADD34 Antibody (OTI3D12) [NBP2-01787] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY GADD34.



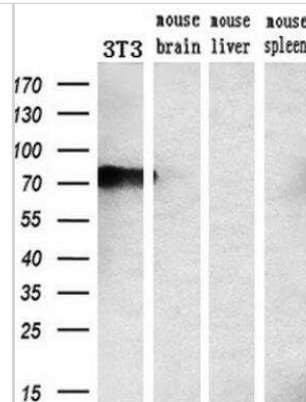
Immunohistochemistry: GADD34 Antibody (OTI3D12) [NBP2-01787] - SAHA/JQ1 treatment promotes UPR target oscillation. To demonstrate that YAP1 suppresses UPR in vivo, tumor sections were stained from allografts expressing control (scr) and Rela shRNA as well as KP, KPY, and SAHA/JQ1-treated KP tumors for the UPR target Gadd34, which was found to be upregulated in Yap1/NF-kappaB-deficient tumors. Scale bar = 50 um. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41419-018-1142-4>), licensed under a CC-BY license.



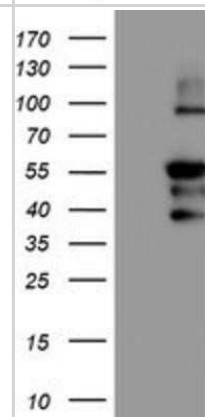
Flow Cytometry: GADD34 Antibody (OTI3D12) [NBP2-01787] - HEK293T cells transfected with either RC200581 overexpress plasmid (Red) or empty vector control plasmid (Blue).



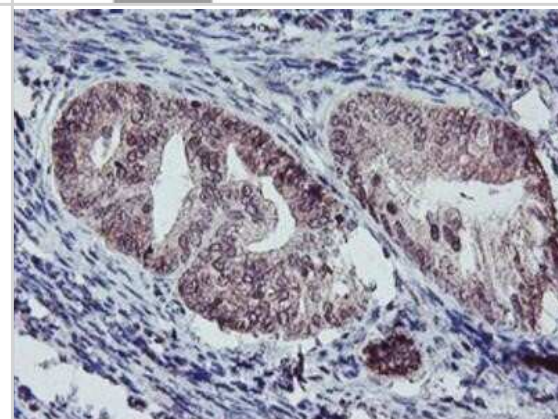
Western Blot: GADD34 Antibody (OTI3D12) [NBP2-01787] - analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-PPP1R15A monoclonal antibody (1:200).



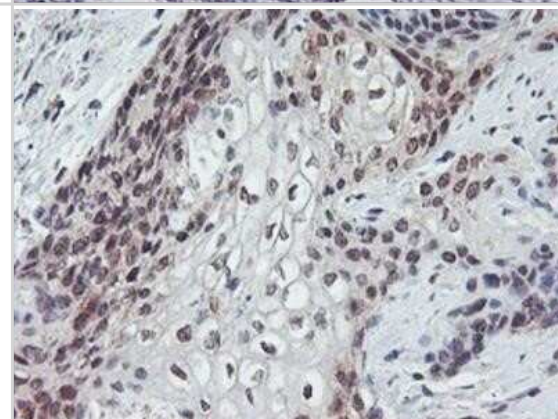
Western Blot: GADD34 Antibody (OTI3D12) [NBP2-01787] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GADD34 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GADD34.



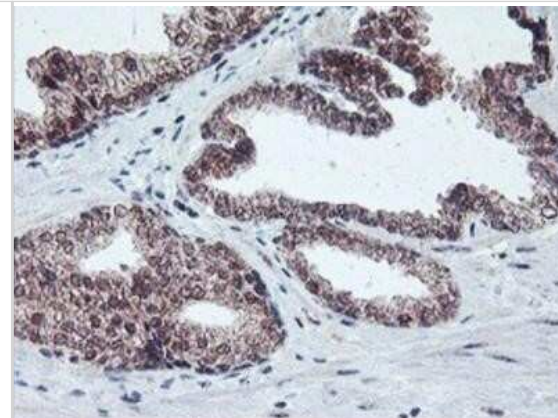
Immunohistochemistry-Paraffin: GADD34 Antibody (OTI3D12) [NBP2-01787] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-GADD34 mouse monoclonal antibody.



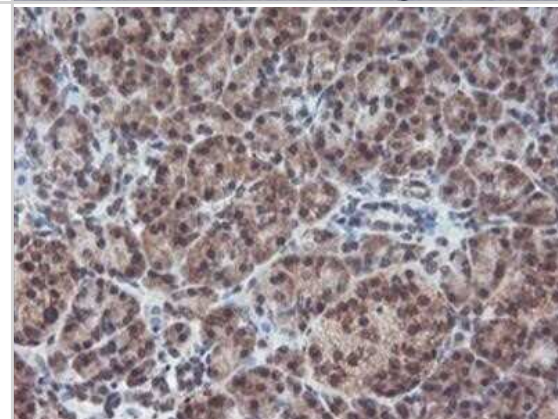
Immunohistochemistry-Paraffin: GADD34 Antibody (OTI3D12) [NBP2-01787] - Staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-GADD34 mouse monoclonal antibody.



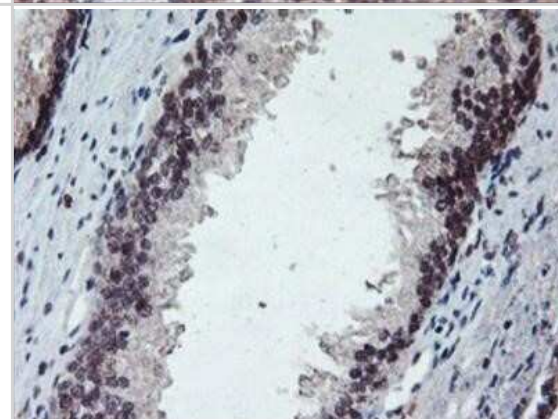
Immunohistochemistry-Paraffin: GADD34 Antibody (OTI3D12) [NBP2-01787] - Staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-GADD34 mouse monoclonal antibody.



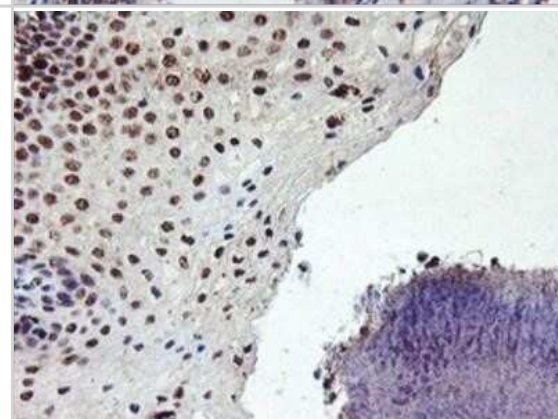
Immunohistochemistry-Paraffin: GADD34 Antibody (OTI3D12) [NBP2-01787] - Staining of paraffin-embedded Human pancreas tissue using anti-GADD34 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: GADD34 Antibody (OTI3D12) [NBP2-01787] - Staining of paraffin-embedded Human prostate tissue using anti-GADD34 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: GADD34 Antibody (OTI3D12) [NBP2-01787] - Staining of paraffin-embedded Human tonsil using anti-GADD34 mouse monoclonal antibody.



Publications

Rivera-Reyes A, Ye S, E Marino G et al. YAP1 enhances NF-kb-dependent and independent effects on clock-mediated unfolded protein responses and autophagy in sarcoma. Cell Death Dis. 2018-10-31 [PMID: 30382078] (IHC-P, Human)



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Products Related to NBP2-01787

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00023645-Q01-10ug	Recombinant Human GADD34 GST (N-Term) 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.

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