

Product Datasheet

GAPDH Antibody (NB615) NB300-285SS

Unit Size: 0.025 ml

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

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Updated 9/11/2024 v.20.1

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NB300-285SS

GAPDH Antibody (NB615)

Product Information	
Unit Size	0.025 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	NB615
Preservative	0.07% Sodium Azide
Isotype	IgM
Purity	IgM purified
Buffer	PBS
Target Molecular Weight	36 kDa
Product Description	
Host	Mouse
Gene ID	2597
Gene Symbol	GAPDH
Species	Human, Mouse, Canine
Marker	Cytosolic Marker
Immunogen	GAPDH antibody raised against full length human GAPDH from erythrocytes. [UniProt# P04406]
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000-1:5000, Simple Western 1:50, Immunocytochemistry/ Immunofluorescence 1:100-1:500
Application Notes	<p>This GAPDH antibody is useful for Western blot and Immunocytochemistry/Immunofluorescence. In Western blot a band is observed at approx. 36 kDa (predicted molecular weight: 40.2 kDa). In ICC/IF, cytoplasmic staining was observed in HeLa cells.</p> <p>Simple Western reported by an internal validation. Separated by Size-All, antibody dilution of 1:50. Apparent MW in kDa on Simple Western was 39kDa; matrix was 12-230 kDa.</p>

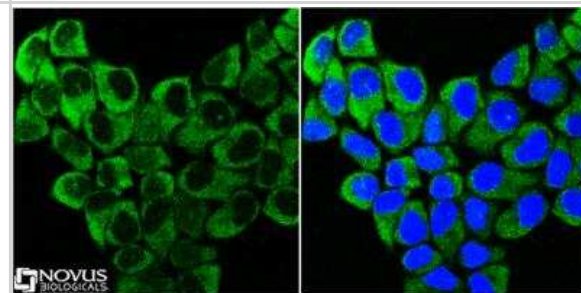


Images

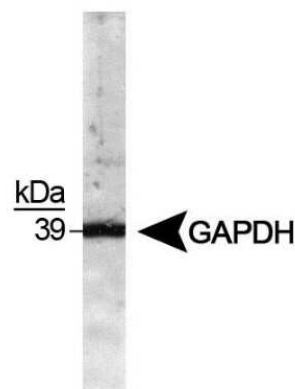
Simple Western: GAPDH Antibody (NB615) [NB300-285] - Lane view shows a specific band for GAPDH in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Note: band observed higher than predicted 36 kDa molecular weight.



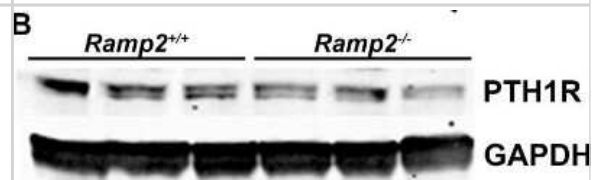
Immunocytochemistry/Immunofluorescence: GAPDH Antibody (NB615) [NB300-285] - Confocal immunofluorescence of HeLa cells using GAPDH antibody at 1:10 (green). Nuclei were counterstained with DAPI (blue).



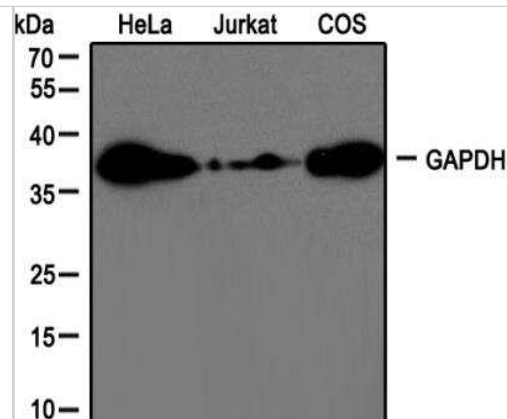
Western Blot: GAPDH Antibody (NB615) [NB300-285] - Analysis of 40ug HeLa whole cell lysates using NB300-285 at a dilution of 1:100. Note: band observed higher than predicted 36 kDa molecular weight.



Western Blot: GAPDH Antibody (NB615) [NB300-285] - Loss of Ramp2 alters mRNA expression of RAMP2-associating GPCRs, including Pthr1. PTH1R protein expression by immunoblot of e13.5 tissue lysates from wild type and Ramp2^{-/-} placentas. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0181597>), licensed under a CC-BY license.



Western Blot: GAPDH Antibody (NB615) [NB300-285] - Analysis of HeLa, Jurkat, and COS lysate using GAPDH (NB300-285) antibody at 1:100. Theoretical molecular weight: 36 kDa.



Publications

Sengupta S, Wang H, Yang C et al. Ligand-induced gene activation is associated with oxidative genome damage whose repair is required for transcription Proc. Natl. Acad. Sci. U.S.A. 2020-08-21 [PMID: 32826329]

Kechele DO, Blue RE, Zwarycz B et al. Orphan Gpr182 suppresses ERK-mediated intestinal proliferation during regeneration and adenoma formation J. Clin. Invest 2017-01-17 [PMID: 28094771] (WB, Mouse)

Gu Y, Bouwman P, Greco D et al. Suppression of BRCA1 sensitizes cells to proteasome inhibitors. Cell Death Dis 2014-12-18 [PMID: 25522274] (WB)

Shirato K, Ujike M, Kawase M, Matsuyama S. Identification of CCL2, RARRES2 and EFNB2 as host cell factors that influence the multistep replication of respiratory syncytial virus. Virus Res. 2015-08-12 [PMID: 26277777] (WB, Human)

Chiappinelli KB, Haynes BC, Brent MR et al. Reduced DICER1 elicits an interferon response in endometrial cancer cells. Mol Cancer Res. 2012-03-01 [PMID: 22252463] (WB, Human)

Ramsingh G, Koboldt DC, Trissal M et al. Complete characterization of the microRNAome in a patient with acute myeloid leukemia. Blood. 2010-12-09 [PMID: 20876853] (WB, Human)

Sankowski R. Effects of the MAP kinase inhibitor CNI-1493 on Amyloid beta-treated primary and mikroglia neuronal cells Thesis, Department of Medicine, Philipps-University Marburg. 2012-11-01 (WB, Mouse)

Rajala HL, Eldfors S, Kuusanmaki H et al. Discovery of somatic STAT5b mutations in large granular lymphocytic leukemia. Blood 2013-04-17 [PMID: 23596048]

Ichiki T, Boerrigter G, Huntley BK et al. Differential Expression of the Pro-Natriuretic Peptide Convertases Corin and Furin in Experimental Heart Failure and Atrial Fibrosis Am J Physiol Regul Integr Comp Physiol 2012-11-14 [PMID: 23152112] (WB, Canine, Human)

Shen, L et al. Drug sensitivity prediction by CpG island methylation profile in the NCI-60 cancer cell line panel. Cancer Res;67(23):11335-43. 2007-12-01 [PMID: 18056460]

George, J et al. Restoration of tissue factor pathway inhibitor-2 in a human glioblastoma cell line triggers caspase-mediated pathway and apoptosis. Clin Cancer Res;13(12):3507-17. 2007-06-15 [PMID: 17575213] (WB, Human)



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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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