

Product Datasheet

Apolipoprotein A5 Antibody (1G5G9) - BSA Free NB400-139

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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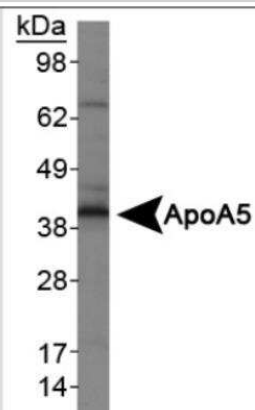


NB400-139**Apolipoprotein A5 Antibody (1G5G9) - BSA Free**

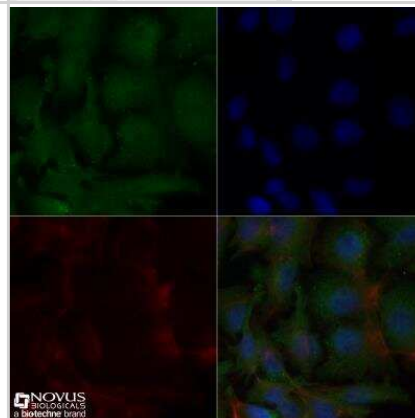
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1G5G9
Preservative	0.1% Sodium Azide
Isotype	IgG1 Kappa
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	41 kDa
Product Description	
Description	Novus Biologicals Mouse Apolipoprotein A5 Antibody (1G5G9) - BSA Free (NB400-139) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Apolipoprotein A5 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	116519
Gene Symbol	APOA5
Species	Human, Hamster
Reactivity Notes	Immunogen sequence has 83% identity to bovine, 79% identity to rat and 78% identity to mouse.
Immunogen	Ni-NTA purified full-length recombinant human Apolipoprotein A5 expressed in E. Coli strain BL21 (DE3). [UniProt# Q6Q788]
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry, ELISA 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin
Application Notes	In Western blot a band at approximately 41 kDa is seen. 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.

Images

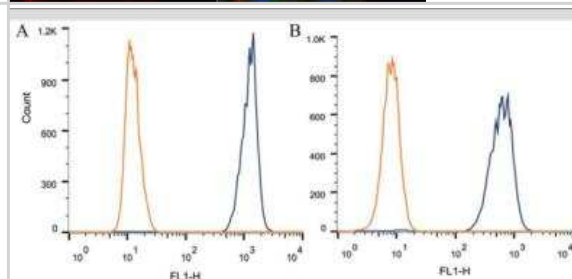
Western Blot: Apolipoprotein A5 Antibody (1G5G9) [NB400-139] - Analysis of ApoA5 in HepG2 lysates.



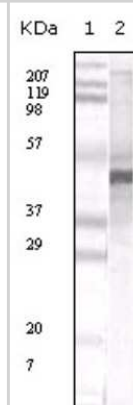
Immunocytochemistry/Immunofluorescence: Apolipoprotein A5 Antibody (1G5G9) [NB400-139] - HepG2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-Apolipoprotein A5 (1G5G9) at a 1:200 dilution overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



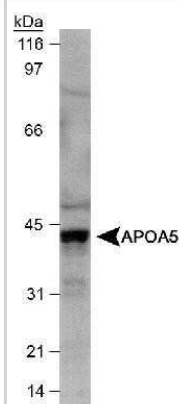
Flow Cytometry: Apolipoprotein A5 Antibody (1G5G9) [NB400-139] - Intracellular flow cytometric staining of 1×10^6 CHO (A) and HEK-293 (B) cells using Apolipoprotein A5 antibody (dark blue). Isotype control shown in orange. An antibody concentration of 1 $\mu\text{g}/1 \times 10^6$ cells was used.



Western Blot: Apolipoprotein A5 Antibody (1G5G9) [NB400-139] - Analysis using anti-human APOA5 monoclonal antibody against human serum total protein (lane 2). Lane 1 is a MW standard.



Western Blot: Apolipoprotein A5 Antibody (1G5G9) [NB400-139] -
Detection of Apo A5 in HepG2 cell lysate with NB400-139.



Publications

Corbacho-Alonso N, Sastre-Oliva T, López-Almodovar LF et al. Diabetes Mellitus and Aortic Stenosis head to head: toward personalized medicine in patients with both pathologies Translational research : the journal of laboratory and clinical medicine 2023-04-19 [PMID: 37085047] (Immunohistochemistry-Frozen, Human)

Zheng XY, Yu BL, Xie YF et al. Apolipoprotein A5 regulates intracellular triglyceride metabolism in adipocytes. Mol Med Rep. 2017-11-01 [PMID: 28901468] (IF/IHC, Human)

Pennacchio, LA et al. An apolipoprotein influencing triglycerides in humans and mice revealed by comparative sequencing. Science;294(5540):169-73. 2001-10-05 [PMID: 11588264]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB400-139

NBL1-07611	Apolipoprotein A5 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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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