

Product Datasheet

Apolipoprotein A-I/ApoA1 Antibody - BSA Free NB600-609

Unit Size: 0.1 mg

Store at 4C short term. For extended storage, add an equal volume of glycerol, aliquot and store at -20C or below. Avoid repeated freeze-thaw cycles.

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NB600-609**Apolipoprotein A-I/ApoA1 Antibody - BSA Free**

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. For extended storage, add an equal volume of glycerol, aliquot and store at -20C or below. Avoid repeated freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	0.125 M Sodium Borate, 0.075 M Sodium Chloride, 0.005 M EDTA, pH 8.0
Product Description	
Description	<p>This product has been prepared by immunoaffinity chromatography using immobilized antigens followed by extensive cross-adsorption against other apoLipoproteins and human serum proteins to remove any unwanted specificities</p> <p>Store vial at 4C prior to opening. This product is stable at 4C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, mix with an equal volume of glycerol, aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing.</p>
Host	Goat
Gene ID	335
Gene Symbol	APOA1
Species	Human, Mouse
Reactivity Notes	This antibody reacts with mouse apoLipoprotein A-I and has negligible cross-reactivity with Type A-II, B, C-I, C-II, C-III, E and J apoLipoproteins. Specific cross-reaction of anti-apoLipoprotein antibodies with antigens from other species has not been determined. Non-specific cross-reaction of anti-apoLipoprotein antibodies with other mouse serum proteins is negligible. Human reactivity reported in scientific literature (PMID: 32796843).
Specificity/Sensitivity	Typically less than 1% cross-reactivity against other types of apoLipoprotein was detected by ELISA against purified standards. This antibody reacts with mouse apoLipoprotein A-I and has negligible cross-reactivity with Type A-II, B, C-I, C-II, C-III, E and J apoLipoproteins. Specific cross-reaction of anti-apoLipoprotein antibodies with antigens from other species has not been determined. Non-specific cross-reaction of anti-apoLipoprotein antibodies with other mouse serum proteins is negligible.
Immunogen	Apolipoprotein A-I/ApoA1 was isolated from mouse plasma by density gradient centrifugation followed by HPLC purification. (Uniprot: Q00623)
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:1000, ELISA 1:5000-1:10000, Immunohistochemistry 1:250-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:100, Immunohistochemistry-Paraffin 1:10-1:500



Application Notes

This product have been used for indirect trapping ELISA for quantitation of antigen in serum using a standard curve, for immunoprecipitation and for western blotting for highly sensitive qualitative analysis.

Publications

Sol M, Marazuela P, Castellote L et al. Therapeutic effect of human ApoA-I-Milano variant in aged transgenic mouse model of Alzheimer's disease British journal of pharmacology 2023-03-05 [PMID: 36872299]

J Huang, H Tao, PG Yancey, Z Leuthner, LS May-Zhang, JY Jung, Y Zhang, L Ding, V Amarnath, D Liu, S Collins, SS Davies, MF Linton Scavenging dicarbonyls with 5'-O-pentyl-pyridoxamine increases HDL net cholesterol efflux capacity and attenuates atherosclerosis and insulin resistance Molecular Metabolism, 2022-12-05;67(0):101651. 2022-12-05 [PMID: 36481344]

Fazilaty H, BrUgger MD, Valenta T Et al. Tracing colonic embryonic transcriptional profiles and their reactivation upon intestinal damage Cell reports 2021-08-03 [PMID: 34348153] (IF/IHC, Human, Mouse)

Tao H, Huang J, Yancey PG et al. Scavenging of reactive dicarbonyls with 2-hydroxybenzylamine reduces atherosclerosis in hypercholesterolemic Ldlr^{-/-}-mice Nat Commun 2020-08-16 [PMID: 32796843] (WB, Human)

Biddy BA, Kong W, Kamimoto K et al. Single-cell mapping of lineage and identity in direct reprogramming Nature 2018-12-01 [PMID: 30518857] (Mouse)

Fan SM, Tsai CF, Yen CM et al. Inducing hair follicle neogenesis with secreted proteins enriched in embryonic skin. Biomaterials 2018-03-13 [PMID: 29567388]

Tilvawala R, Nguyen SH, Maurais AJ et al. The Rheumatoid Arthritis-Associated Citrullinome. Cell Chem Biol 2018-03-21 [PMID: 29628436] (ELISA)

Vu TM, Ishizu AN, Foo JC et al. Mfsd2b is essential for the sphingosine-1-phosphate export in erythrocytes and platelets Nature. 2017-10-26 [PMID: 29045386] (Mouse)

Lewallen DM, Bicker KL, Subramanian V et al. Chemical Proteomic Platform To Identify Citrullinated Proteins. ACS Chem. Biol. 2015-09-23 [PMID: 26360112] (ELISA, Human)

Molina L, Fasquelle L, Nouvian R et al. Tmprss3 loss of function impairs cochlear inner hair cell Kcnma1 channel membrane expression Hum Mol Genet 2013-01-03 [PMID: 23255163] (ICC/IF, IF/IHC, Mouse)

Hasebe, A, Pennock, N D, Mu, H-H, Chan, F V, Taylor, M L, Cole, B C. A Microbial TLR2 Agonist Imparts Macrophage-Activating Ability to Apolipoprotein A-1. 177, 4826-4832. 2006-01-01 [PMID: 16982924]

Duong PT et al. Characterization of nascent HDL particles microparticles formed by ABCA1-mediated efflux of cellular lipids to apoA-I. J Lipid Res 47:832-843. 2006-01-01 [PMID: 16418537]





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Products Related to NB600-609

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
NBP2-34869-100ug	Recombinant Human Apolipoprotein A-I/ApoA1 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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