

Product Datasheet

Apolipoprotein E/ApoE Antibody NB400-158

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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Updated 6/11/2024 v.20.1

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NB400-158**Apolipoprotein E/ApoE Antibody**

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	
Host	Goat
Gene ID	348
Gene Symbol	APOE
Species	Human, Rat
Reactivity Notes	This antibody reacts with human apoLipoprotein E and has negligible cross-reactivity with Type A-1 A-II, B, C-I, C-II, C-III 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 human serum proteins is negligible.
Specificity/Sensitivity	Typically less than 1% cross-reactivity against other types of apoLipoprotein was detected by ELISA against purified standards. This antibody reacts with human apoLipoprotein E and has negligible cross-reactivity with Type A-1 A-II, B, C-I, C-II, C-III 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 human serum proteins is negligible.
Immunogen	Apolipoprotein E/ApoE was isolated from human plasma by density gradient centrifugation followed by HPLC purification. (Uniprot: P02649)
Notes	<p>This antibody 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>
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:4000-1:8000, Immunohistochemistry 1:50-1:200, Immunoprecipitation 1:100, Immunohistochemistry-Paraffin 1:10-1:500

Application Notes

This product have been tested by western blot and 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.

Images

Western Blot: Apolipoprotein E/ApoE Antibody [NB400-158] - Lane 1: rat glial whole cell lysate. Load: 40 ug per lane. Primary antibody: Apolipoprotein E antibody at 1:1000 for overnight at 4C. Secondary antibody: HRP rabbit secondary antibody at 1:200 for 45 min at RT. Block: 3%BLOTTO overnight at 4C. Predicted/Observed size: 36 kDa, 35-36 kDa for APO-E. MW markers arrows at 25kDa and 37kDa. Other band(s): 55kDa.

**Publications**

Atkinson, K, Blumenstein, M, Black, M et al. An Altered Pattern of Circulating Apolipoprotein E3 Isoforms is Implicated in Preeclampsia. *J Lipid Res*;50: 71-80. 2009-01-01 [PMID: 18725658]



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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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