NEUROMICS

ApoE (WUE-4) Data Sheet

Catalog Number:	MO25042	**Host:**	Mouse
Product Type:	Protein G purified. IgG_1 Kappa	**Species Reactivity:**	Human
Immunogen Sequence:	Residues 140-160 of purified human ApoE (LDLR receptor binding site).	**Format:**	Mouse ascites in Tris-glycine, 150mM NaCl with 0.05% Sodium Azide. Concentration: 0.85 mg/ml/
Applications:	Western blot-2 ug/ml. Immunohistochemistry-2 ug/ml.		
	Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
Storage:	Store frozen. Aliquot as undiluted antisera and immediately place at -20°C. Antisera may have become trapped in top of vial during shipping. Centrifugation of vial is recommended before opening. Stable for at least 6 months at -20°C. Repeated freeze/thaw cycles compromise the integrity of the antiserum.		

Application Notes

Positive Controls: Human brain and liver lysates.

In Western blot analysis, a band is seen at ~36 kDa, representing the ApoE protein.

Description/Data:
Apolipoprotein E (ApoE) is a major component of specific lipoproteins called very low-density lipoproteins (VLDL). A major function of VLDLs is to remove excess cholesterol from the blood and carry it to the liver for processing. Maintaining normal levels of cholesterol is essential for the prevention of cardiovascular diseases, including heart attacks and strokes. Apolipoprotein E is a type of lipoprotein. Apolipoprotein E is associated with several cardiovascular disorders. There are three isoforms (slightly different forms) of the ApoE lipoprotein. These three isoforms are known as ApoE2, E3 and E4. ApoE2 seems to be one of several genetic factors that plays a part in increased risk of heart attacks and strokes and ApoE4 is a risk factor for coronary artery disease. As well, ApoE4 has been been suggested to play a role in type 2 Alzheimer disease.

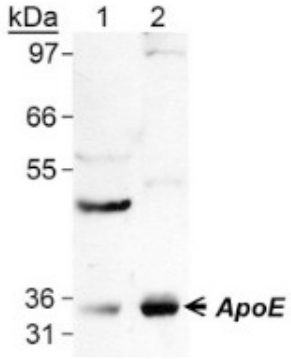

Image: Detection of ApoE in human tissue lysate using NB110-60531. Lane 1: Liver, Lane 2: Brain

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