

Product Datasheet

Apolipoprotein E Antibody / APOE (orb2635399)

Description	APOE is an apolipoprotein, a protein associating with lipid particles, that mainly functions in lipoprotein-mediated lipid transport between organs via the plasma and interstitial fluids. [UniProt]
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P
Immunogen	A portin of amino acids 19-119 from the human protein was used as the immunogen for the Apolipoprotein E antibody.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Optimal dilution of the Apolipoprotein E antibody should be determined by the researcher.
Formula	1 mg/ml in 1X PBS; BSA free, sodium azide free
Isotype	Mouse IgG1, kappa
Clonality	Monoclonal
Clone Number	APOE/3671
Antibody Type	Primary Antibody
Uniprot ID	P02649
Hazard Information	This Apolipoprotein E antibody is available for research use only.

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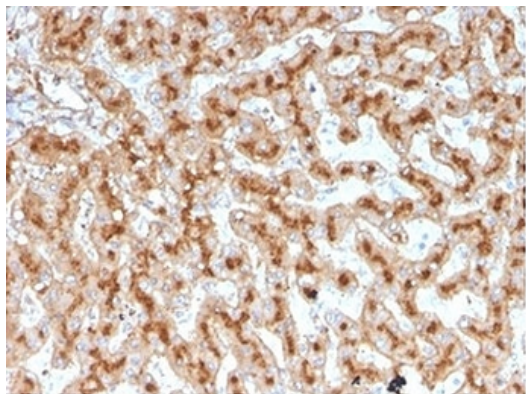
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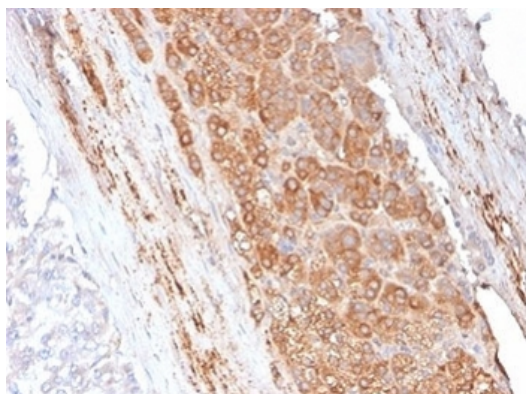
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Dilution Range Immunohistochemistry (FFPE): 1-2ug/ml

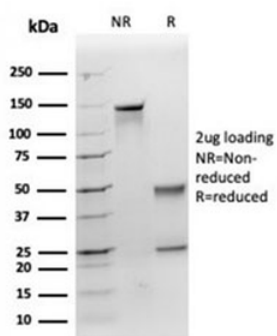
Expiration Date 12 months from date of receipt.



IHC staining of FFPE human liver tissue with Apolipoprotein E (clone APOE) antibody (clone APOE/3671). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human adrenal gland with Apolipoprotein E antibody (clone APOE/3671). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Apolipoprotein E antibody (clone APOE/3671) as confirmation of integrity and purity.

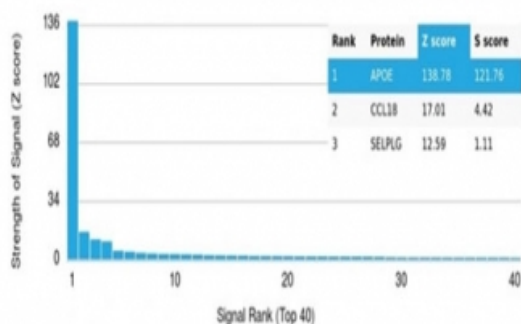
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Human Protein Microarray Specificity Validation



Analysis of HuProt (TM) microarray containing more than 19000 full-length human proteins using Apolipoprotein E antibody (clone APOE/3671). These results demonstrate the foremost specificity of the APOE/3671 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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