

Product Datasheet

APOE Rabbit Polyclonal Antibody (orb333722)

Description	Rabbit polyclonal antibody to Apolipoprotein E
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	IHC, WB
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human APOE
Target	APOE
Preservatives	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Form/Appearance	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml
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
Protein Sequence	Synthetic peptide located within the following region: KVLWAALLVTFLAGCQAKVEQAVETEPEPELRQQTEWQSGQRWELALGRF
Clonality	Polyclonal
MW	36 kDa
Uniprot ID	P02649

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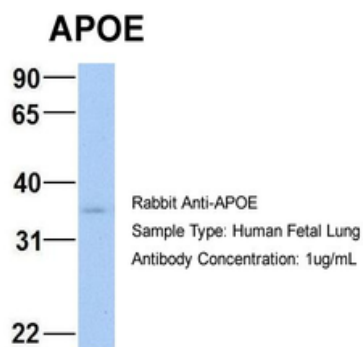
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NCBI

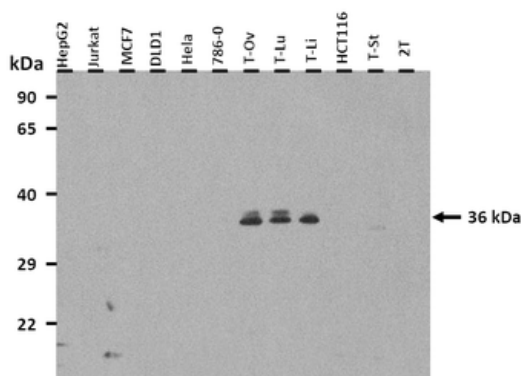
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Expiration Date

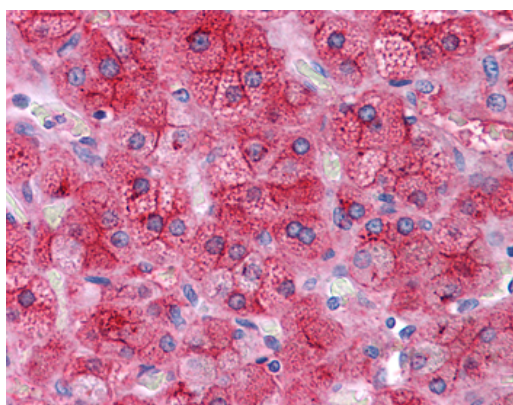
12 months from date of receipt.



Sample Type: Human Fetal Lung, Antibody dilution: 1.0 ug/ml.



25 ug of the indicated Human whole cell and tissue extracts was loaded onto a 12% SDS-PAGE gel. 3 ug/ml of the antibody was used in this experiment.



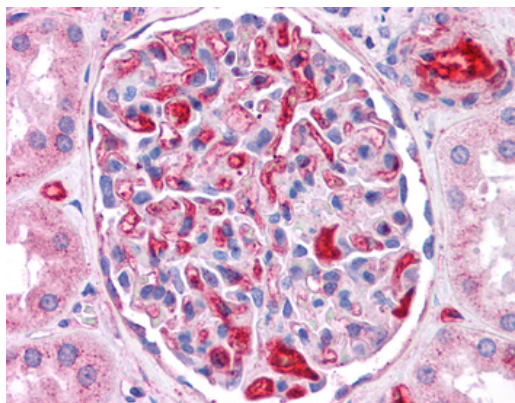
Anti-APOE / Apolipoprotein E antibody IHC staining of human adrenal. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

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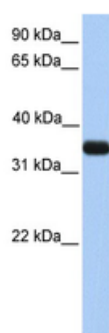
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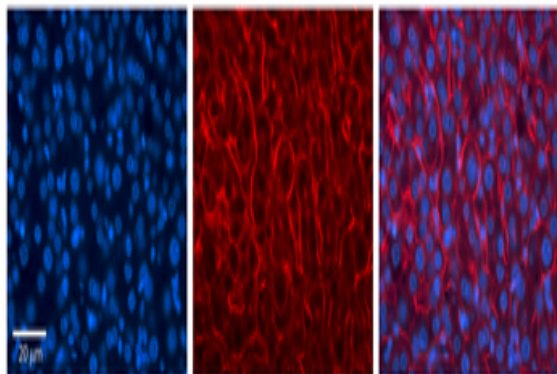
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Anti-APOE / Apolipoprotein E antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



APOE antibody - N-terminal region (orb333722) validated by WB using Fetal liver cell lysate at 1 ug/ml.



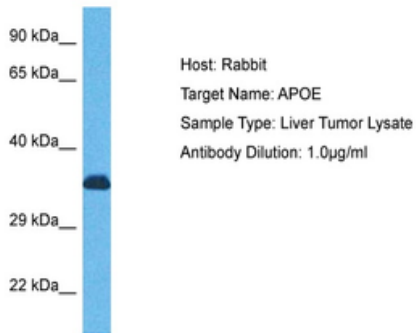
APOE antibody - N-terminal region (orb333722), Catalog Number: orb333722, Formalin Fixed Paraffin Embedded Tissue: Human Liver Tissue, Observed Staining: Cytoplasm and membrane of hepatocytes, Primary Antibody Concentration: 1:100, Other Working Concentrations: 1/600, Secondary Antibody: Donkey anti-Rabbit-Cy3, Secondary Antibody Concentration: 1:200, Magnification: 20X, Exposure Time: 0.5-2.0 sec.

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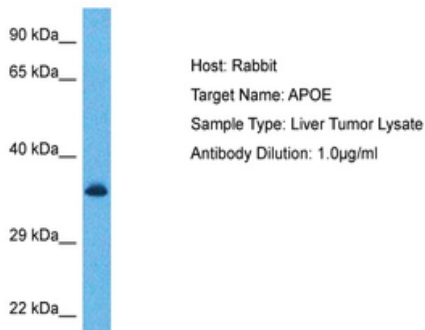
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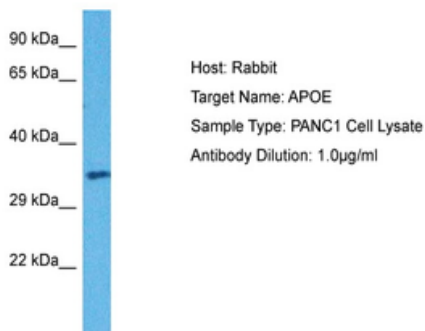
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Sample Tissue: Human Liver Tumor, Antibody dilution: 1 ug/ml.



Sample Tissue: Human Liver Tumor, Antibody dilution: 3 ug/ml.



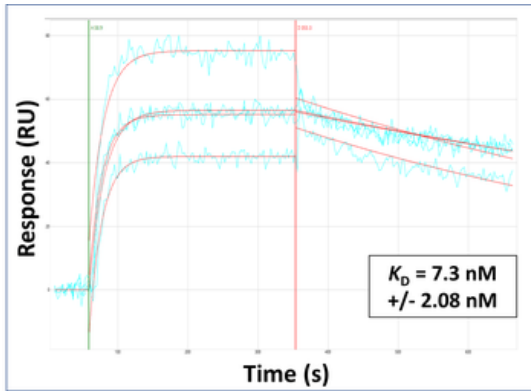
Sample Tissue: Human PANC1 Whole Cell, Antibody dilution: 1 ug/ml.

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Surface Plasmon Resonance Kinetic Characterization of Polyclonal Antibody Affinity. Purified polyclonal antibodies were immobilized on a Protein A/G coated Carterra LSA sensor chip (PAGH200M) at concentrations of 5, and 50 ug/ml in duplicate. Antibodies on the surface were exposed to interaction with peptides sequentially via microfluidic controlled flow at 333nM peptide concentration for kinetic characterization of the binders for affinity and specificity, followed by curve fitting using the Kinetics software. K_d determinations for both concentrations were averaged and results and standard deviation are shown.

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