

ApoE3 Polyclonal Antibody

CATALOG #:	5696-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Recombinant human ApoE3 (Internal ID# BV-B5).
SPECIES REACTIVITY:	Human

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

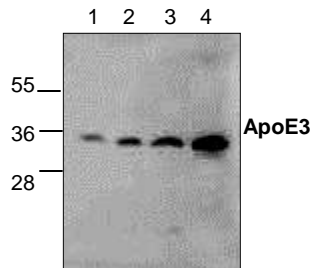
ApoE belongs to a group of proteins that bind reversibly with lipoprotein and play an important role in lipid metabolism. ApoE is an important constituent of all plasma lipoproteins. Its interaction with specific ApoE receptor enables uptake of chylomicron remnants by liver cells, which is an essential step during normal lipid metabolism. It also binds with the LDL receptor (apo B/E). Defects in ApoE are a cause of hyperlipoproteinemia type III. ApoE exists in three major isoforms; E2, E3, and E4, which differ from one another by a single amino-acid substitution. E3 is the most common isoform and is present in 40-90% of the population.

SPECIFICITY:

The antibody recognizes ~34 kDa of human ApoE3. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 µg/ml). However, the optimal concentrations should be determined individually. Recombinant ApoA1 (Cat. # 4696-100) can be used as a positive control. This antibody also recognizes recombinant human ApoE2 and ApoE4

**Cat. #:5696-100**

Western blot analysis using recombinant human ApoE3 (Cat. # 4696-100)
Lane 1: 10 ng
Lane 2: 50 ng
Lane 3: 250 ng
Lane 4: 1 µg

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