

ApoE3 Polyclonal Antibody

CATALOG NO:	5696-30T	30 µg (Trial size)
	5696-100	100 µg
CONCENTRATION:	0.5 mg/ml	
HOST:	Rabbit	
IMMUNOGEN:	Recombinant human ApoE3 (Internal ID# BV-B5).	
SPECIES REACTIVITY:	Human	

FORMULATION:

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/defrost cycles.

BACKGROUND:

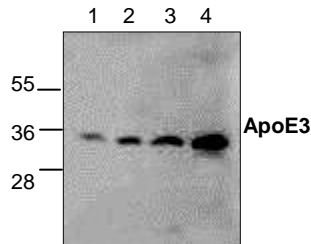
ApoE belongs to a group of proteins that bind reversibly with lipoprotein and play an important role in lipid metabolism. ApoE is an important constituent of all plasma lipoproteins. It's interaction with specific ApoE receptor enables uptake of chylomicron remnants by liver cells, which is an essential 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 ApoE3 (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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