

## Anti-Human ApoE2 Polyclonal Antibody

**CATALOG NO:** 5760-30T 30 µg (Trial size)  
5760-100 100 µg

**CONCENTRATION:** 0.5 mg/ml

**HOST:** Rabbit

**IMMUNOGEN:** *E. coli* expressed recombinant human ApoE2 (Internal ID# BV-C2)

**FORMULATION:**

0.5 mg/ml affinity purified rabbit anti- human ApoE2 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.5 mM EDTA, and 0.03% proclin.

**STORAGE CONDITIONS:**

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

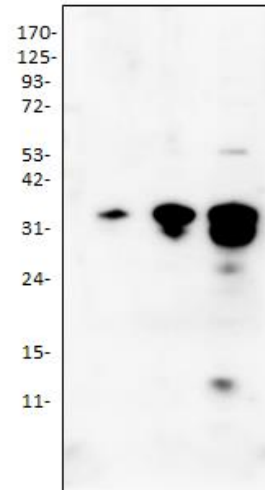
**BACKGROUND DESCRIPTION:**

ApoE belongs to a group of proteins that bind reversibly with lipoprotein and play an important role in lipid metabolism. In addition to facilitating solubilization of lipids, these proteins help to maintain the structural integrity of lipoproteins, serve as ligands for lipoprotein receptors, and regulate the activity of enzymes involved in lipid metabolism. Significant quantities of ApoE are produced in liver and brain and to some extent in almost every organ. ApoE is an important constituent of all plasma lipoproteins. 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. Compared with E3 and E4, E2 exhibits the lowest receptor binding affinity. E2 allele carriers had significantly lower levels of total cholesterol, low-density lipoprotein cholesterol, and non-high-density lipoprotein cholesterol, as well as increased ApoE levels. ApoE2 is a 34.3 kDa protein containing 300 amino acid residues.

**APPLICATION AND USAGE:**

The antibody can be used for Western blot analysis (0.5-4µg/ml). However, the optimal conditions should be determined individually. Recombinant human ApoE2 (Cat. # 4760-50) can be used as a positive control. This antibody also recognizes recombinant human ApoE3 and ApoE4

1 2 3



Western blot analysis of recombinant human ApoE2 using Anti-Human ApoE2 Polyclonal Antibody.

Protein loads:

1. 2 ng
2. 10 ng
3. 50 ng

**RELATED PRODUCTS:**

- ApoE Antibody (CT) (Cat. No. 6720)
- ApoE4 Antibody (Cat. No. 5699)
- ApoE3 Antibody (Cat. No. 5696)
- ApoSAA Antibody (Cat. No. 5324)
- ApoA1 Antibody (Cat. No. 5693)

**FOR RESEARCH USE ONLY! Not to be used on humans.**