

Code No. 18171

**Anti-Human  
ApoE (A299) Rabbit IgG Affinity purify**

Volume : 100 µg

Lot No : 9B-909

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**Introduction** : Apolipoprotein-E (Apo-E) is a structural component of very low-density lipoprotein (VLDL) synthesized by the liver and intestinally synthesized chylomicrons. It is also a constituent of a subclass of high-density lipoproteins (HDLs) involved in cholesterol transport activity among cells. One of the most important roles of ApoE is to mediate high affinity binding of chylomicrons and VLDL particles that contain ApoE to the low-density lipoprotein (LDL) receptor. This allows for the specific uptake of these particles by the liver that is necessary for transport preventing the accumulation in plasma of cholesterol rich remnants. There are indications that ApoE is also involved in immune system regulation, nerve regeneration and muscle.

**Antigen** : Synthetic peptide for c-terminal of Human ApoE

**Purification** : Affinity Purified with antigen peptide

**Form** : Lyophilized product from 1% BSA in PBS containing 0.05%NaN<sub>3</sub>

**How to use** : 1 ml distilled water will be added to the product

**Dilution** : PBS (pH7.4) containing 1% BSA

**Stability** : Lyophilized product, 5 years at 2 – 8  
: Solution, 2 years at –20

**Application** : This antibody can be stained in formalin fixed paraffin embedded tissues after autoclave\*<sup>1</sup> (or microwave) treatment or formic acid treatment\*<sup>2</sup> by several Immunohistochemical techniques such as Avidin Bition Complex (ABC) Method. The optimal dilution is 1 ~ 5 µg/ml, however, the dilution rate should be optimized by each laboratories.

This antibody can be used for western blotting in concentration of 5 µg /ml.

\*1 110 for 10 minutes (10mM citric acid buffer pH6.0)

\*2 Rinsing by running water after formic acid treatment for 5 minutes following de-paraffin.

**Specificity** : Can be react to ApoE2, ApoE3 and ApoE4

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