

bs-5038R**[Primary Antibody]****Bioss**
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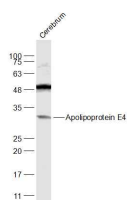
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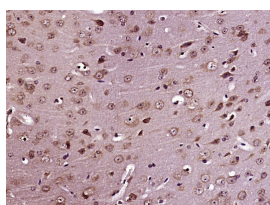
400-901-9800

Apolipoprotein E4 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 348 Target: Apolipoprotein E4 Immunogen: KLH conjugated synthetic peptide derived from human APOE4: 101-200/317. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Apolipoprotein E, a main apoprotein of the chylomicron, binds to a specific receptor on liver cells and peripheral cells and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. 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. Defects in ApoE are a cause of hyperlipoproteinemia type III due to increased plasma cholesterol and triglycerides levels which are the consequence of impaired clearance of chylomicron and VLDL remnants.	Isotype: IgG SWISS: P02649	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse (predicted: Human, Rat) Predicted MW.: 34 kDa Subcellular Location: Secreted
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— VALIDATION IMAGES —

Sample: Cerebrum (Mouse) Lysate at 40 ug
 Primary: Anti-Apolipoprotein E4 (bs-5038R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 34 kD
 Observed band size: 32 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Apolipoprotein E4) Polyclonal Antibody, Unconjugated (bs-5038R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.108]** Yuan C et al. OAB-14, a bexarotene derivative, improves Alzheimer's disease-related pathologies and cognitive impairments by increasing β -amyloid clearance in APP/PS1 mice. (2019) Biochim Biophys Acta Mol Basis Dis. Jan;1865(1):161-180. **WB ;Mouse.** 30389579
- **[IF=2.726]** Chao Du. et al. Effects of safflower yellow on cholesterol levels in serum and brain tissue of APP/PS1 mice. Metab Brain Dis. 2021 Apr;36(4):557-569 **WB ;Mouse.** 33550459

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