

bs-4892R**[Primary Antibody]****Bioss**
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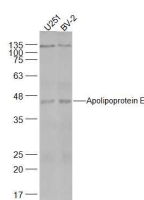
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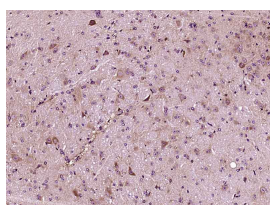
400-901-9800

Apolipoprotein E Rabbit pAb**— DATASHEET —**

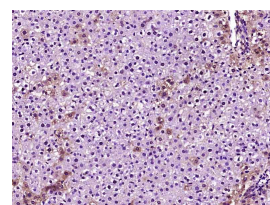
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:50-200)
Clonality: Polyclonal		
GeneID: 348	SWISS: P02649	
Target: Apolipoprotein E		Reactivity: Human, Mouse, Rat
Immunogen: KLH conjugated synthetic peptide derived from human APOE/Apo E2: 151-250/317.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 38 kDa
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.		Subcellular Location: Secreted
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.		

— VALIDATION IMAGES —

Sample: U251(Human) Cell Lysate at 30 ug
BV-2(Mouse) Cell Lysate at 30 ug Primary: Anti-Apolipoprotein E (bs-4892R) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 42 kD
Observed band size: 43 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 E) Polyclonal Antibody, Unconjugated (bs-4892R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat liver); 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 E) Polyclonal Antibody, Unconjugated (bs-4892R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=9.8]** Yanghuan Yu. et al. MiRNA-seq and mRNA-seq revealed the mechanism of fluoride-induced cauda epididymal injury. SCI TOTAL ENVIRON. 2024 Jun;930:172895 WB ;Mouse. 38697545
- **[IF=3.517]** Chen YC et al. Indole Compound NC009-1 Augments APOE and TRKA in Alzheimer's Disease Cell and Mouse Models for Neuroprotection and Cognitive Improvement. J Alzheimers Dis. 2019;67(2):737-756. WB ;Human. 30689566
- **[IF=3.412]** Chiu CY et al. Fish Oil Supplementation Alleviates the Altered Lipid Homeostasis in Blood, Liver, and Adipose Tissues in High-Fat Diet-Fed Rats. J Agric Food Chem. 2018 Apr 25;66(16):4118-4128. WB ;Rat. 29627983

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=2.942]** Xue Gang, et al. Identification of key genes of papillary thyroid carcinoma by integrated bioinformatics analysis. Bioscience Rep. 2020 Aug;40(8):BSR20201555 WB ;Human. 32766727
- **[IF=1.96]** Liu, Zan, et al. "Secretomes are a potential source of molecular targets for cancer therapies and indicate that APOE is a candidate biomarker for lung adenocarcinoma metastasis." Molecular Biology Reports (2014): 1-17. WB ;Human. 25098600