bs-4892R

[Primary Antibody]

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Apolipoprotein E Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 348 **SWISS:** P02649

Target: Apolipoprotein E

Immunogen: KLH conjugated synthetic peptide derived from human APOE/Apo

E2: 151-250/317.

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.

Applications: WB (1:500-2000)

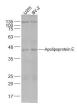
IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

Reactivity: Human, Mouse, Rat

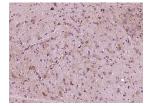
Predicted MW . 38 kDa

Subcellular Location: Secreted

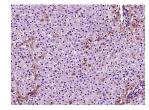
VALIDATION IMAGES



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

- [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