

bs-1254R**[Primary Antibody]****Apolipoprotein D Rabbit pAb****Bioss**
ANTIBODIES

www.bioss.com.cn

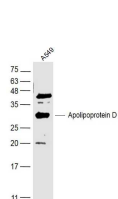
sales@bioss.com.cn

techsupport@bioss.com.cn

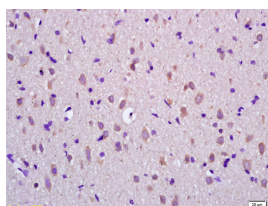
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 347 Target: Apolipoprotein D Immunogen: KLH conjugated synthetic peptide derived from human APOD: 81-189/189. 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 D (APO D), a glycoprotein involved in the human plasma lipid transport system. It is a progesterone binding glycoprotein of 24,000 dalton monomer molecular size, is a constituent of high density lipoprotein in plasma. The function of apolipoprotein D in the metabolism of plasma lipoproteins is unclear but the observation that this protein forms complexes with lecithin: cholesterol acyltransferase has led to the suggestion that apolipoprotein D may be involved in cholesterol esterification and transport of substrates and products of the reaction. Apolipoprotein D is expressed in a range of normal tissues including axillary apocrine glands, adrenal cortex and corpus luteum. Peripheral nerves, pituitary, testis, cerebellum and renal tubes are also positive. APO D was first isolated in large quantity as GCDPF 24, the major protein component of most human breast cyst fluids. In recent studies, Apo D immunoreactivity has been shown to be an early indicator of prostate cancer and advanced primary prostate tumors.	Isotype: IgG SWISS: P05090 Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Cow, Dog) Predicted MW.: 19 kDa Subcellular Location: Secreted
---	--

— VALIDATION IMAGES —

Sample: A549(Human) Cell Lysate at 30 ug
 Primary: Anti-Apolipoprotein D (bs-1254R) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 19 kD
 Observed band size: 30 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-APOD Polyclonal Antibody, Unconjugated(bs-1254R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=14.9]** Ma Pingchuan. et al. Promotion effect of TGF-β-Zfp423-ApoD pathway on lip sensory recovery after nerve

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

sacrifice caused by nerve collateral compensation. INT J ORAL SCI. 2023 Jun;15(1):1-14 IF ;Rat. 37286538