bs-0849R **[Primary Antibody]**

APOA1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 335 **SWISS:** P02647

Target: APOA1

Immunogen: KLH conjugated synthetic peptide derived from human APOA1: 51-150/267.

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: This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The protein promotes cholesterol efflux from tissues to the liver for excretion, and it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. [provided by RefSeq, Jul 2008]

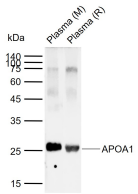
Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat

Predicted MW.: 28 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Sample: Lane 1: Mouse Plasma Lane 2: Rat Plasma Primary: Anti-APOA1 (bs-0849R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 28 kDa Observed band size: 27 kDa

SELECTED CITATIONS

- **[IF=9.58]** Xuting Liu. et al. Serum apolipoprotein A-I depletion is causative to silica nanoparticles–induced cardiovascular damage. P Natl Acad Sci Usa. 2021 Nov;118(44): WB ;Mouse. 34716267
- **[IF=3.73]** Hibert P, Prunier-Mirebeau D, Beseme O, Chwastyniak M, Tamareille S, et al. (2013) Apolipoprotein A-I Is a Potential Mediator of Remote Ischemic Preconditioning. PLoS ONE 8(10): e77211 Other ;="Rat". 24155931
- **[IF=4.221]** Li Xu. et al. Yinchenhao Tang alleviates high fat diet induced NAFLD by increasing NR1H4 and APOA1 expression. Journal of Traditional and Complementary Medicine. 2023 Feb;: IHC,WB ;Mouse. 10.1016/j.jtcme.2023.02.010
- **[IF=4.483]** Bingxiang Wang. et al. Atherosclerosis-associated hepatic secretion of VLDL but not PCSK9 is dependent on cargo receptor protein Surf4. J Lipid Res. 2021 Jun;:100091 WB ;Mouse. 34118252
- **[IF=4.4]** Kai Chen. et al. Cerebrospinal Fluid Proteomic Profiles in Patients with Postherpetic Neuralgia. J PROTEOME

RES. 2023;XXXX(XXX):XXX-XXX WB ;Human. 37966014