

**bs-12501R****[ Primary Antibody ]****ApoM Rabbit pAb****BioSS**  
**ANTIBODIES**

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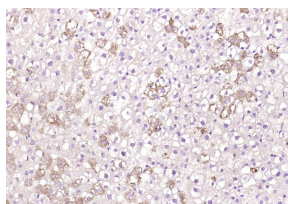
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 55937 <b>Target:</b> ApoM <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human ApoM/Apolipoprotein M: 101-188/188. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> Apolipoproteins are protein components of plasma lipoproteins. ApoM (Apolipoprotein M), also known as protein G3a, is a member of the Lipocalin family of proteins. ApoM is exclusively expressed in kidney tubular epithelial cells and liver hepatocytes. Mature ApoM retains its signal peptide, which acts as a hydrophobic anchor, and contains a structurally conserved eight stranded antiparallel $\beta$ barrel which binds retinol and retinoic acid. ApoM may play a key role in reverse cholesterol transport. It mainly associates with high density lipoprotein (HDL) and to a lesser extent with triglyceride-rich lipoprotein (TGRLP) and low-density lipoprotein (LDL). ApoM is important for the pre $\beta$ -HDL formation. Pre $\beta$ -HDL is an important acceptor of peripheral cellular cholesterol. The concentration of ApoM in plasma strongly correlates with total cholesterol. Low concentrations of ApoM in plasma is associated with diabetes.	<b>Isotype:</b> IgG <b>SWISS:</b> Q95445 <b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Rat (predicted: Human, Mouse, Pig, Sheep, Cow, Dog, Horse)  <b>Predicted MW.:</b> 21 kDa  <b>Subcellular Location:</b> Secreted
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**— VALIDATION IMAGES —**

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 (ApoM) Polyclonal Antibody, Unconjugated (bs-12501R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.