



## Rabbit Anti-ApoM antibody

SL12501R

<b>Product Name:</b>	ApoM
<b>Chinese Name:</b>	载LipoproteinM抗体
<b>Alias:</b>	Apo M; Apo-M; Apolipoprotein M; ApoM; APOM_HUMAN; G3A; HSPC336; MGC22400; NG20; NG20 like protein; Protein G3a.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	21kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ApoM/Apolipoprotein M:101-188/188
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</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.

**Function:**

Probably involved in lipid transport. Can bind sphingosine-1-phosphate, myristic acid, palmitic acid and stearic acid, retinol, all-trans-retinoic acid and 9-cis-retinoic acid.

**Subcellular Location:**

Secreted. Present in high density lipoprotein (HDL) and to a lesser extent in triglyceride-rich lipoproteins (TGRLP) and low density lipoproteins.

**Tissue Specificity:**

Plasma protein. Expressed in liver and kidney.

**Similarity:**

Belongs to the calycin superfamily. Lipocalin family. Highly divergent.

**SWISS:**

O95445

**Gene ID:**

55937

**Database links:**

[Entrez Gene: 55937](#)Human

[Entrez Gene: 55938](#)Mouse

[Entrez Gene: 55939](#)Rat

[Omim: 606907](#)Human

[SwissProt: O95445](#)Human

[SwissProt: Q9Z1R3](#)Mouse

[SwissProt: P14630](#)Rat

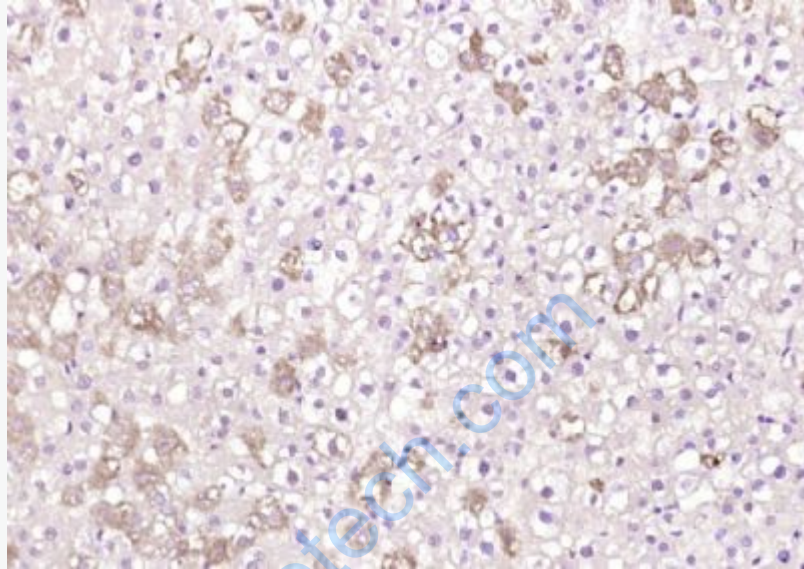
[Unigene: 534468](#)Human

[Unigene: 2161](#)Mouse

[Unigene: 262](#)Rat

**Important Note:**

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



**Picture:**

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 (SL12501R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.