



Rabbit Anti-APOB48R antibody

SL6336R

Product Name:	APOB48R
Chinese Name:	载LipoproteinB受体抗体
Alias:	apo b-100; APOB; apoB-48R; apoB-100R; apoB100R; Apolipoprotein B-100 receptor; Apolipoprotein B100 receptor; Apolipoprotein B48 receptor.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	115kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human APOB48R:1001-1088/1088
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	APOB48R is a macrophage receptor that binds to the apolipoprotein B48 of dietary triglyceride (TG) rich lipoproteins. It may provide essential lipids, lipid soluble vitamins and other nutrients to reticuloendothelial cells. Function: Macrophage receptor that binds to the apolipoprotein B48 (APOB) of dietary

triglyceride (TG)-rich lipoproteins (TRL) or to a like domain of APOB in hypertriglyceridemic very low density lipoprotein (HTG-VLDL). Binds and internalizes TRL when out of the context of the macrophage. May provide essential lipids to reticuloendothelial cells. Could also be involved in foam cell formation with elevated TRL and remnant lipoprotein (RLP). Mediates the rapid high-affinity uptake of chylomicrons (CM), HTG-VLDL, and trypsinized (tryp) VLDL devoid of APOE in vitro in macrophages.

Subunit:

Homodimer.

Subcellular Location:

Cell membrane; Peripheral membrane protein. Note=Binds monocyte-macrophage membrane. Thought to be anchored in the membrane through an interaction with an integral membrane protein.

Tissue Specificity:

Expressed in peripheral blood leukocytes > bone marrow = spleen > lymph node, and only faintly visible in appendix and thymus. Expressed in the brain, heart, kidney, liver, lung, pancreas, and placenta. Expressed primarily by reticuloendothelial cells: monocytes, macrophages, and endothelial cells. Expressed in atherosclerotic lesion foam cells.

Post-translational modifications:

There are 2 forms in macrophages, the membrane-binding proteins 200 kDa (MBP 200) and 235 kDa (MBP 235), that can be reduced into a single active ligand-binding species with intermediate mobility (MBP 200R).

SWISS:

Q0VD83

Gene ID:

55911

Database links:

[Entrez Gene: 55911](#)Human

[Entrez Gene: 171504](#)Mouse

[Omim: 605220](#)Human

[SwissProt: Q0VD83](#)Human

[SwissProt: Q8VBT6](#)Mouse

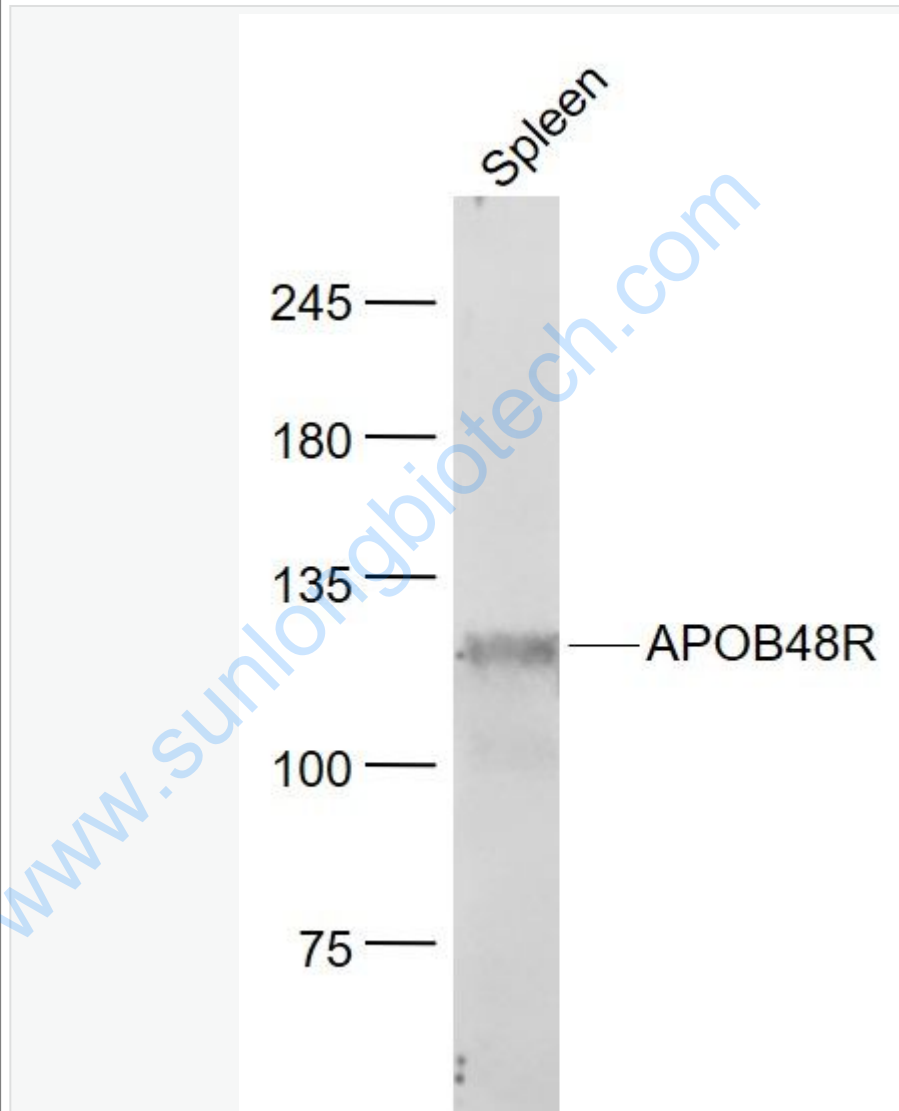
[Unigene: 200333](#)Human

[Unigene: 170665](#) Mouse

Important Note:

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

Picture:



Sample:

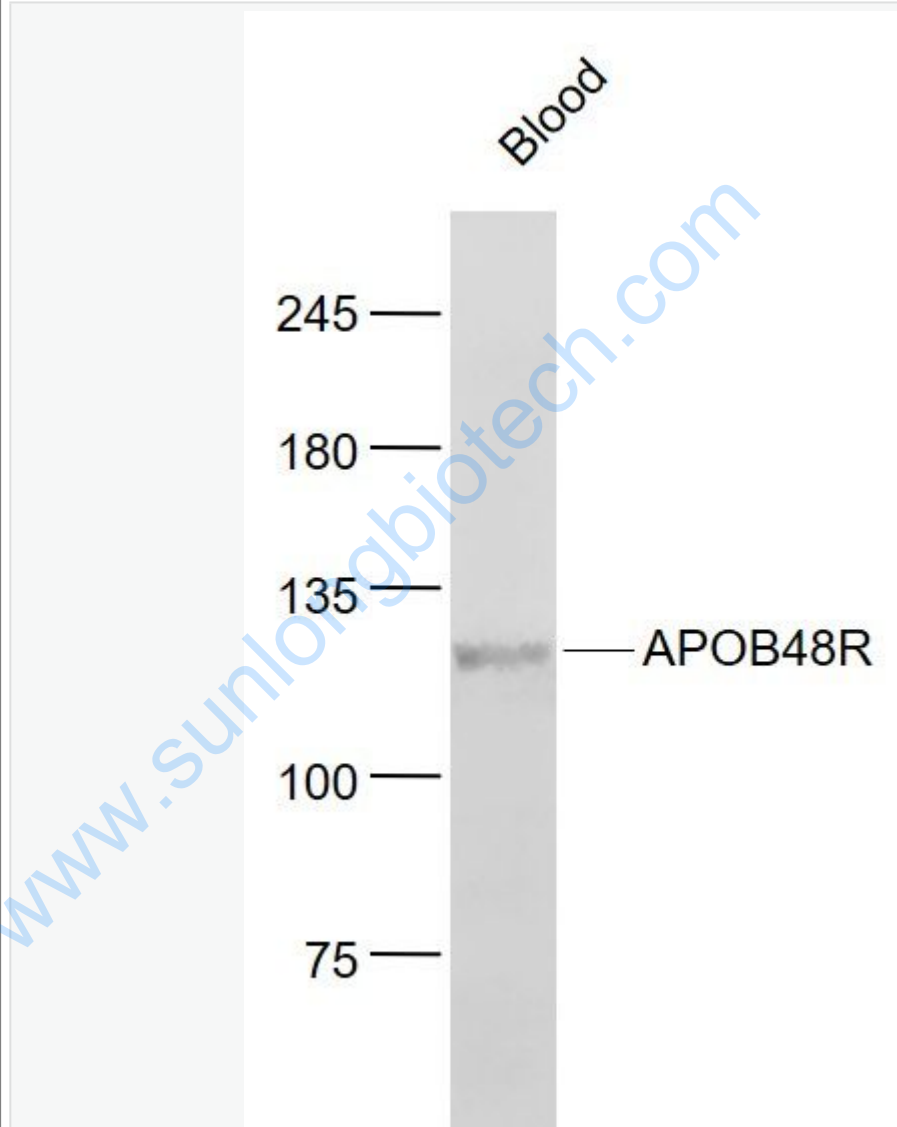
Spleen (Mouse) Lysate at 40 ug

Primary: Anti- APOB48R (SL6336R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 115 kD

Observed band size: 115 kD



Sample:

Blood(Mouse) Cell Lysate at 30 ug

Primary: Anti- APOB48R (SL6336R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 115 kD

Observed band size: 115 kD

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