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**[ Primary Antibody ]**

# Rabbit Anti-APOB48R antibody

**Catalog Number: SL6336R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

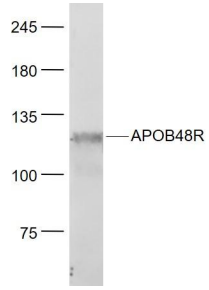
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|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | APOB48R |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human APOB48R: 1001-1088/1088 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | WB=1:500-2000<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Mouse(predicted:Human,Rat,Dog,Rabbit) |
| **Predicted MW.:** | 115kDa |
| **Subcellular Location:** | The cell membrane |
| **Background:** | 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.<br>**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.<br>**Subunit:** Homodimer.<br>**Subcellular Location:** Cell membrane; Peripheral membrane protein. Note=Binds monocyte-macrophage membrane. Thought to be anchored in the |

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

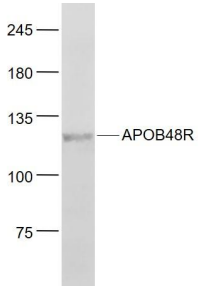
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| | membrane through an interaction with an integral membrane protein.<br>**Tissue Specificity:** Expressed in peripheral blood leukocytes > bone marrow = spleen > lymph node, and only faintly visible in appendix and thymus. Expressed in the brain, heart, kidney, liver, lung, pancreas, and placenta. Expressed primarily by reticuloendothelial cells: monocytes, macrophages, and endothelial cells. Expressed in atherosclerotic lesion foam cells.<br>**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).<br>**Database links:**<br>**Entrez Gene:** 55911 Human<br>**Entrez Gene:** 171504 Mouse<br>Omim: 605220 Human<br>**SwissProt:** Q0VD83 Human<br>**SwissProt:** Q8VBT6 Mouse<br>**Unigene:** 200333 Human<br>**Unigene:** 170665 Mouse |

## [ VALIDATION IMAGES ]




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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