

For Research Use Only

# APOB48R Polyclonal antibody, PBS Only

Catalog Number: 25328-1-PBS



## Basic Information

**Catalog Number:**

25328-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG18204

**GenBank Accession Number:**

BC119786

**GeneID (NCBI):**

55911

**UNIPROT ID:**

Q0VD83

**Full Name:**

apolipoprotein B48 receptor

**Calculated MW:**

1088 aa, 116 kDa

**Observed MW:**

116 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

Apolipoprotein B48 receptor (APOB48R) is a macrophage receptor that binds to apoB of dietary triglyceride-rich lipoproteins or to a similar apoB-like domain in hypertriglyceridemic very low-density lipoprotein (HTG-VLDL). This receptor is crucial for the uptake of chylomicrons, HTG-VLDL, and trypsinized VLDL lacking apoE in macrophages. APOB48R may contribute necessary lipids, lipid-soluble vitamins, and other nutrients to reticuloendothelial cells. Elevated plasma triglyceride levels may cause APOB48R to be a factor in foam cell formation, endothelial dysfunction, and atherothrombogenesis (PMID: 10852956; 9633939; 15591219).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

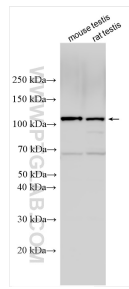
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25328-1-AP (APOB48R antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 25328-1-PBS in a different storage buffer formulation.