

HRP-conjugated APOB Polyclonal antibody

Catalog Number: **HRP-20578**

Basic Information

Catalog Number:

HRP-20578

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000384

GeneID (NCBI):

338

UNIPROT ID:

P04114

Full Name:

apolipoprotein B (including Ag(x) antigen)

Calculated MW:

516 kDa

Observed MW:

150-250 kDa, 400-520 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB

Species Specificity:

human, mouse

Positive Controls:

WB : mouse liver tissue,

Background Information

The apolipoprotein B (APOB) is a plasma protein synthesized primarily in the liver and intestine and play an important role in lipid and cholesterol metabolism. The APOB encodes two different isoproteins through mRNA editing, APOB-48 and APOB-100. APOB-48 and APOB-100 is present in both human liver and intestine. APOB-100 is essential for the assembly of VLDL in the liver. APOB-48 is essential for the assembly of chylomicrons in the intestine. It is well established that APOB-100 levels are associated with coronary heart disease. This antibody recognizes both of APOB-48, APOB-100 and APOB-27.6 (PMID:11839763, PMID:2450346).

Storage

Storage:

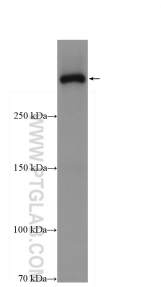
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

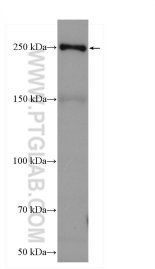
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

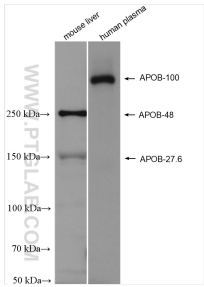
Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with HRP-20578 (APOB antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



mouse liver tissue were subjected to SDS PAGE followed by western blot with HRP-20578 (APOB antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



mouse liver tissue were subjected to SDS PAGE followed by western blot with HRP-20578 (APOB antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.