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Datasheet for ABIN872950

## anti-APOB antibody (AA 1501-1700)

1 Image

1 Publication

### Overview

Quantity:	100 µL
Target:	APOB
Binding Specificity:	AA 1501-1700
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APOB antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Apolipoprotein B
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	APOB
Alternative Name:	Apolipoprotein B ( <a href="#">APOB Products</a> )
Background:	Synonyms: Apo B 100, Apo B, Apo B-100, Apo B-48, ApoB 100, ApoB 48, ApoB, APOB protein, APOB_HUMAN, Apolipoprotein B 100, Apolipoprotein B 48, Apolipoprotein B, Apolipoprotein B-

## Target Details

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48, FLDB.

Background: Apolipoprotein B is a major protein constituent of chylomicrons (apo B-48), LDL (apo B-100) and VLDL (apo B-100). Apo B-100 functions as a recognition signal for the cellular binding and internalization of LDL particles by the apoB/E receptor. Involvement in disease: Defects in APOB are a cause of hypobetalipoproteinemia familial type 1 (FHBL1) . A disorder characterized by highly reduced plasma concentrations of low density lipoproteins, and dietary fat malabsorption. Clinical presentation may vary from no symptoms to severe gastrointestinal and neurological dysfunction similar to abetalipoproteinemia. Defects in APOB are a cause of familial ligand-defective apolipoprotein B-100 (FDB). FDB is a dominantly inherited disorder of lipoprotein metabolism leading to hypercholesterolemia and increased proneness to coronary artery disease (CAD). The plasma cholesterol levels are dramatically elevated due to impaired clearance of LDL particles by defective APOB/E receptors.

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Gene ID: 338

Pathways: [Lipid Metabolism](#)

## Application Details

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Application Notes: ELISA 1:500-1000

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

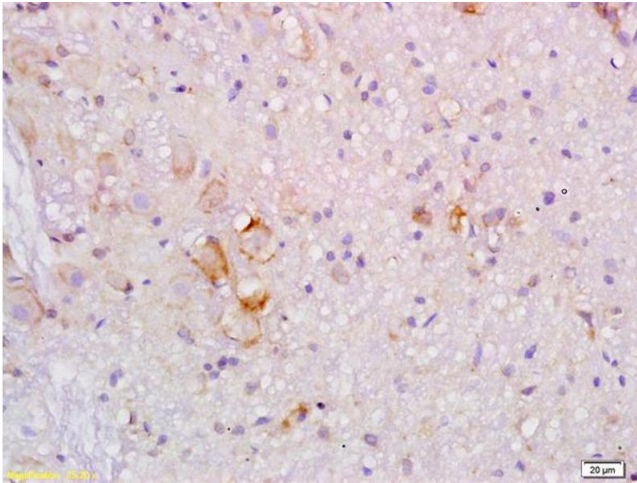
## Publications

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Product cited in: Choi, de Poot, Lee, Kim, Han, Kim, Finley, Lee: "Open-gate mutants of the mammalian proteasome show enhanced ubiquitin-conjugate degradation." in: **Nature communications**, Vol. 7, pp. 10963, (2016) ([PubMed](#)).

## Images

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### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti ApoB/Apolipoprotein B Polyclonal Antibody, Unconjugated (ABIN872950) at 1:200 followed by conjugation to the secondary antibody and DAB staining