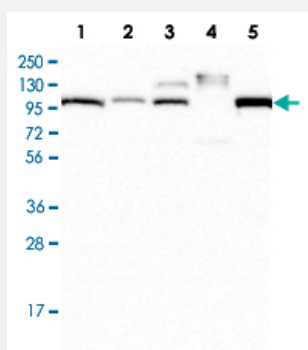


APOB polyclonal antibody

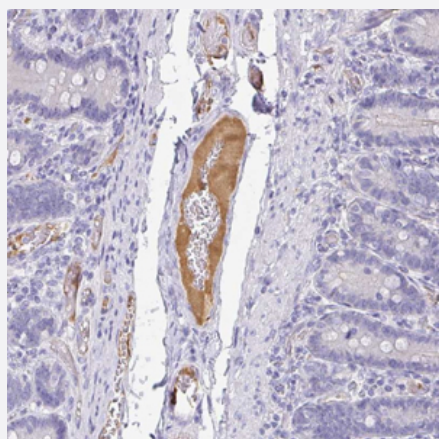
Catalog # PAB29501 Size 100 uL

Applications



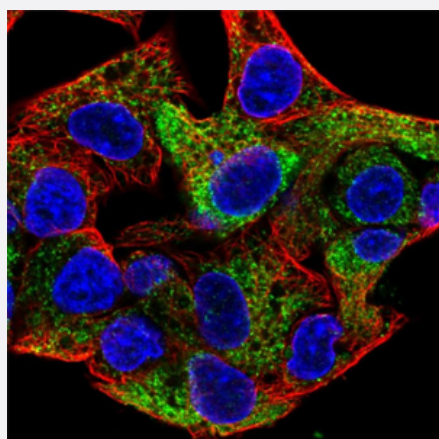
Western Blot

Western Blot analysis of Lane 1: RT-4 cell lysate, Lane 2: U-251 MG, Lane 3: Human plasma, Lane 4: Human Liver tissue, Lane 5: Human Tonsil tissue with APOB polyclonal antibody (Cat# PAB29501) at 1:250 - 1:500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human duodenum with APOB polyclonal antibody (Cat# PAB29501) shows distinct positivity in plasma at 1:500 - 1:1000 dilution.



Immunofluorescence

Immunofluorescent staining of Hep G2 cells with APOB polyclonal antibody (Cat# PAB29501) under 1-4 ug/mL working concentration shows positivity in cytoplasm. Antibody staining is shown in green.

Specification

Product Description	APOB polyclonal antibody raised against recombinant human APOB.
Immunogen	Recombinant protein corresponding to amino acids of human APOB.
Sequence	NFVASHIANILNSEELDIQDLKKLVKEALKESQLPTVMDFRKFSRNYQLYKSVSLPSLDPASAKIEG NLIFDPNNYLPKESMLKTTLTAFGFASADLIE
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (1:500-1:1000) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: RT-4 cell lysate, Lane 2: U-251 MG, Lane 3: Human plasma, Lane 4: Human Liver tissue, Lane 5: Human Tonsil tissue with APOB polyclonal antibody (Cat# PAB29501) at 1:250 - 1:500 dilution.

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Gene Info — APOB

Entrez GeneID [338](#)

Protein Accession# [P04114](#)

Gene Name APOB

Gene Alias FLDB

Gene Description apolipoprotein B (including Ag(x) antigen)

Omim ID [107730 144010](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: the former is synthesized exclusively in the gut and the latter in the liver. The intestinal and the hepatic forms of apoB are encoded by a single gene from a single, very long mRNA. The two isoforms share a common N-terminal sequence. The shorter apoB-48 protein is produced after RNA editing of the apoB-100 transcript at residue 2180 (CAA->UAA), resulting in the creation of a stop codon, and early translation termination. Mutations in this gene or its regulatory region cause hypobetalipoproteinemia, normotriglyceridemic hypobetalipoproteinemia, and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels. [provided by RefSeq]

Other Designations OTTHUMP00000115994|apoB-100|apoB-48|apolipoprotein B|apolipoprotein B48

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Altitude Sickness](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Angina Pectoris](#)
- [Aortic Valve Stenosis](#)
- [Arteriosclerosis](#)

- [Asthenozoospermia](#)
- [Atherosclerosis](#)
- [Azoospermia](#)
- [beta-Thalassemia](#)
- [Biliary Tract Neoplasms](#)
- [Blood Coagulation Disorders](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebrovascular Accident](#)
- [Cholecystolithiasis](#)
- [Cholelithiasis](#)
- [Chorioamnionitis](#)
- [Chromosome Disorders](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
- [Dementia](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diseases in Twins](#)
- [Ductus Arteriosus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Essential tremor](#)
- [Femur Head Necrosis](#)
- [Fetal Death](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Gallbladder Diseases](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Holoprosencephaly](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hyperlipoproteinemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)

- [Hypertrophy](#)
- [Hypobetalipoproteinemias](#)
- [Hypoxia-Ischemia](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Insulin Resistance](#)
- [Intracranial Arteriosclerosis](#)
- [Ischemia](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Nephrotic Syndrome](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Oligospermia](#)
- [Osteoporosis](#)
- [Peripheral Vascular Diseases](#)
- [Phenylketonuria](#)
- [Phenylketonurias](#)

- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)
- [Rare Diseases](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Spina Bifida Cystica](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Translocation](#)
- [Urinary Bladder Neoplasms](#)
- [Vascular Diseases](#)
- [Virilism](#)
- [Werner syndrome](#)