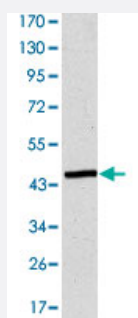


APOB monoclonal antibody, clone 6G6

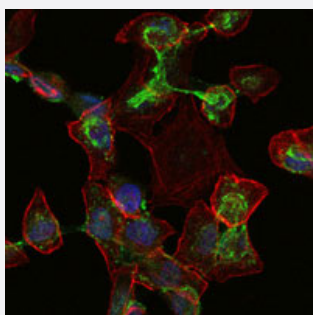
Catalog # MAB10489 Size 100 uL

Applications



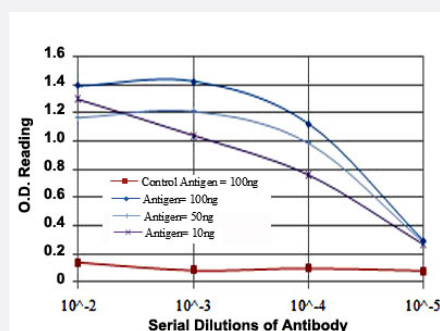
Western Blot (Recombinant protein)

Western blot analysis using APOB monoclonal antibody, clone 6G6 (Cat # MAB10489) against human ApoB (aa : 3900-4110) recombinant protein. (Expected MW is 515.6 kDa)



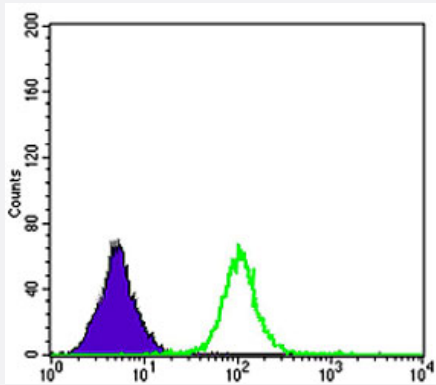
Immunofluorescence

Immunofluorescence analysis of HepG2 cells using APOB monoclonal antibody, clone 6G6 (Cat # MAB10489) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Enzyme-linked Immunoabsorbent Assay

ELISA detection with APOB monoclonal antibody, clone 6G6 (Cat # MAB10489).



Flow Cytometry

Flow cytometric analysis of serum using APOB monoclonal antibody, clone 6G6 (Cat # MAB10489) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant APOB.
Immunogen	Recombinant protein corresponding to human APOB.
Host	Mouse
Theoretical MW (kDa)	516
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% 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

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Flow cytometric analysis of serum using APOB monoclonal antibody, clone 6G6 (Cat # MAB10489) (green) and negative control (purple).

Gene Info — APOB

Entrez GeneID [338](#)

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](#)