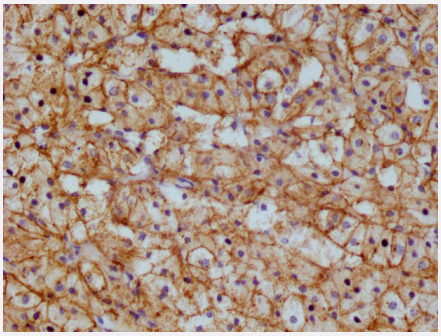
RecomAb™ Sm Size

ABCB1 recombinant monoclonal antibody, clone 11H10

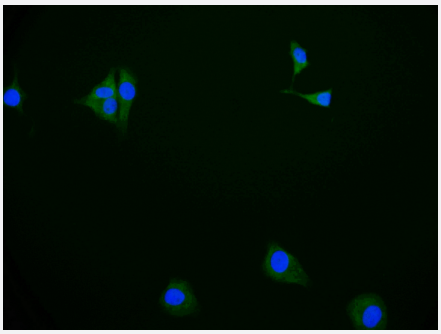
Catalog # RAB08428 Size 50 uL

Applications



Immunohistochemistry

Immunohistochemistry image of ABCB1 recombinant monoclonal antibody, clone 11H10 diluted at 1:100 and staining in paraffin-embedded human adrenal gland tissue performed on a Leica Bond™ system.



Immunofluorescence

Immunofluorescence staining of HepG2 Cells with ABCB1 recombinant monoclonal antibody, clone 11H10 at 1:50, counter-stained with DAPI.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ABCB1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ABCB1.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system

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Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry(1:50-1:200) Immunofluorescence(1:20-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of ABCB1 recombinant monoclonal antibody, clone 11H10 diluted at 1:100 and staining in paraffin-embedded human adrenal gland tissue performed on a Leica Bond™ system.

- Immunofluorescence

  Immunofluorescence staining of HepG2 Cells with ABCB1 recombinant monoclonal antibody, clone 11H10 at 1:50, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ABCB1

Entrez GeneID	5243
Protein Accession#	P08183
Gene Name	ABCB1
Gene Alias	ABC20, CD243, CLCS, GP170, MDR1, MGC163296, P-GP, PGY1
Gene Description	ATP-binding cassette, sub-family B (MDR/TAP), member 1
Omim ID	171050
Gene Ontology	Hyperlink

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Gene Summary	The membrane-associated protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. The protein encoded by this gene is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier. [provided by RefSeq
Other Designations	ATP-binding cassette, subfamily B, member 1|P glycoprotein 1|P-glycoprotein 1|colchicin sensitivity|doxorubicin resistance|multidrug resistance 1|multidrug resistance protein 1

Pathway

- ABC transporters

Disease

- Acquired Immunodeficiency Syndrome
- Acute Disease
- Addison Disease
- Adenocarcinoma
- Adenoma
- Alcoholism
- Alzheimer disease
- Amnesia
- Anemia
- Arthritis
- Asthma
- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Bipolar Disorder

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- Birth Weight
- Body Weight
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cell Transformation
- Central Nervous System Diseases
- Central Nervous System Neoplasms
- Child Development Disorders
- Cholangitis
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Cognition Disorders
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Crohn Disease
- Cystadenocarcinoma
- Cystic fibrosis

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- Delayed Graft Function
- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Diarrhea
- Disease Progression
- Drug Toxicity
- Drug-Induced Liver Injury
- Duodenal Ulcer
- Dyskinesia
- Dyslipidemias
- Edema
- Encephalomyelitis
- Endometrial Neoplasms
- Epilepsies
- Epilepsy
- Esophageal Neoplasms
- Familial Mediterranean fever
- Femur Head Necrosis
- Gastritis
- Gastroesophageal Reflux
- Gastrointestinal Diseases
- Gastrointestinal Stromal Tumors
- Gastroparesis
- Genetic Predisposition to Disease
- Gilbert Disease

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- Gingival Hyperplasia
- Gingival Overgrowth
- Glioblastoma
- Glioma
- Graft vs Host Disease
- Graves Disease
- Hashimoto Disease
- Head and Neck Neoplasms
- Helicobacter Infections
- Hematologic Diseases
- Hemophilia A
- Hemorrhage
- Hepatitis B
- Heroin Dependence
- HIV Infections
- HIV Seropositivity
- Hyperbilirubinemia
- Hypercholesterolemia
- Hyperlipidemias
- Hyperlipoproteinemia Type II
- Hypertension
- Hyperthyroidism
- Hyponatremia
- Hypotension
- Hypothyroidism
- Infection

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- Infertility
- Inflammation
- Inflammatory Bowel Diseases
- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms
- Leukemia
- Leukopenia
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Malaria
- Marijuana Abuse
- Mental Disorders
- Mental Status Schedule
- Metabolic Syndrome X
- Microsatellite Instability
- Miosis
- Mood Disorders
- Movement Disorders

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- Multiple Myeloma
- Multiple Sclerosis
- Myasthenia Gravis
- Myocardial Infarction
- Nasopharyngeal Neoplasms
- Nausea
- Neoplasm
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Nephrotic Syndrome
- Nervous System Diseases
- Neuropsychological Tests
- Neurotoxicity Syndromes
- Neutropenia
- Obesity
- Opioid-Related Disorders
- Opportunistic Infections
- Osteonecrosis
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Pain
- Pain Threshold

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- Pancreatitis
- Parkinson disease
- Peptic Ulcer
- Peripheral Nervous System Diseases
- Postoperative Complications
- Postoperative Nausea and Vomiting
- Prostate cancer
- Prostatic Neoplasms
- Pruritus
- Psychiatric Status Rating Scales
- Psychomotor Performance
- Psychotic Disorders
- Pulmonary Disease
- Recurrence
- Respiratory Distress Syndrome
- Respiratory Insufficiency
- Retinal Diseases
- Schizophrenia
- Schizophrenic Psychology
- Sclerosis
- Skin Neoplasms
- Sleep
- Sleep Stages
- Stomach Neoplasms
- Stomach Ulcer
- Stroke

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- Thrombocytopenia
- Tobacco Use Disorder
- Tremor
- Tuberculosis
- Urinary Bladder Neoplasms
- Urogenital Neoplasms
- Urologic Neoplasms
- Vasculitis
- Vision Disorders
- Vomiting
- Water Intoxication
- Weight Gain
- Werner syndrome

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