RecomAb™

ABCB1 recombinant monoclonal antibody, clone MRK16

Catalog # RAB03754 Size 100 ug

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human P-glycoprotein.
Antibody Species	Mouse
Immunogen	Original antibody is raised against recombinant protein corresponding to human P-glycoprotein
Reactivity	Human
Form	Liquid
Conjugation	Unconjugated
Preparation Method	Mammalian cell (HEK293) expression system
Concentration	batch dependent
Isotype	IgG1 kappa
Recommend Usage	Flow cytometry Immunofluorescence Immunoprecipitation The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for 3 months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	For research use only.

Applications

- Immunofluorescence

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- Flow Cytometry
- Immunoprecipitation

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
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

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- Adenocarcinoma
- Adenoma
- Alcoholism
- Alzheimer disease
- Amnesia
- Anemia
- Arthritis
- Asthma
- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Bipolar Disorder
- 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

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- Cognition Disorders
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Crohn Disease
- Cystadenocarcinoma
- Cystic fibrosis
- 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

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- Epilepsy
- Esophageal Neoplasms
- Familial Mediterranean fever
- Femur Head Necrosis
- Gastritis
- Gastroesophageal Reflux
- Gastrointestinal Diseases
- Gastrointestinal Stromal Tumors
- Gastroparesis
- Genetic Predisposition to Disease
- Gilbert Disease
- 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

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- HIV Seropositivity
- Hyperbilirubinemia
- Hypercholesterolemia
- Hyperlipidemias
- Hyperlipoproteinemia Type II
- Hypertension
- Hyperthyroidism
- Hyponatremia
- Hypotension
- Hypothyroidism
- Infection
- 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

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- Lymphoma
- Lymphoproliferative Disorders
- Malaria
- Marijuana Abuse
- Mental Disorders
- Mental Status Schedule
- Metabolic Syndrome X
- Microsatellite Instability
- Miosis
- Mood Disorders
- Movement Disorders
- 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

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- Neurotoxicity Syndromes
- Neutropenia
- Obesity
- Opioid-Related Disorders
- Opportunistic Infections
- Osteonecrosis
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Pain
- Pain Threshold
- 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

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- Respiratory Distress Syndrome
- Respiratory Insufficiency
- Retinal Diseases
- Schizophrenia
- Schizophrenic Psychology
- Sclerosis
- Skin Neoplasms
- Sleep
- Sleep Stages
- Stomach Neoplasms
- Stomach Ulcer
- Stroke
- 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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