ABCC1 monoclonal antibody, clone MRP1/1344

Catalog # MAB14852 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human ABCC1.
Immunogen	Recombinant protein corresponding to full length human ABCC1.
Host	Mouse
Theoretical MW (kDa)	190
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells) Immunofluorescence (0.5-1 ug/mL) Western Blotting (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunofluorescence
- Flow Cytometry

Gene Info — ABCC1

Entrez GeneID	4363
Protein Accession#	P33527
Gene Name	ABCC1
Gene Alias	ABC29, ABCC, DKFZp686N04233, DKFZp781G125, GS-X, MRP, MRP1
Gene Description	ATP-binding cassette, sub-family C (CFTR/MRP), member 1
Omim ID	158343
Gene Ontology	Hyperlink
Gene Summary	The 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 membrane s. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This full transporter is a member of the MRP subfamily which is involved in multi-d rug resistance. This protein functions as a multispecific organic anion transporter, with oxidized gl utatione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transpo rts glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternative splicing by exon deletion results in several splice variants but maintains the original open reading frame in all forms. [provided by RefSeq
Other Designations	ATP-binding cassette, sub-family C, member 1|LTC4 transporter|OTTHUMP00000045904|leukot riene C(4) transporter|multidrug resistance protein|multiple drug resistance protein 1|multiple drug resistance-associated protein

Publication Reference

- Multidrug resistance associated genes MRP1, MRP2 and MRP3 in primary and anthracycline exposed breast cancer.

  Faneyte IF, Kristel PM, van de Vijver MJ.

  Anticancer Research 2004 Sep; 24(5A):2931.

Pathway

- ABC transporters

Disease

- Adenocarcinoma
- Arthritis
- Asthma
- Atherosclerosis
- Breast cancer
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Cerebral Hemorrhage
- Colorectal Neoplasms
- Coronary Artery Disease
- Cystadenocarcinoma
- Cystic fibrosis
- Diabetes Mellitus
- Disease Progression
- Drug Toxicity
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Heart Diseases
- HIV Seropositivity
- Hypertension
- Intracranial Hemorrhages
- Kidney Diseases
- Kidney Failure
- Leukemia

- Lung Neoplasms
- Multiple Myeloma
- Neutropenia
- Ovarian cancer
- Ovarian Neoplasms
- Psoriasis
- Pulmonary Disease
- Recurrence
- Stroke
- Subarachnoid Hemorrhage