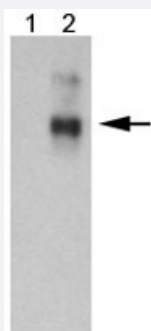


ABCC1 monoclonal antibody, clone IU5C1

Catalog # MAB2374

Size 100 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of ABCC1 in 10 ug of 293 transfected lysate using ABCC1 monoclonal antibody, clone IU5C1 (Cat # MAB2374). Lane 1 : empty vector. Lane 2 : ABCC1 transfected 293 lysate.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of ABCC1.
Immunogen	A synthetic peptide corresponding to amino acids 1-33 of human ABCC1.
Sequence	SMALRGFCSADGSDPLWDWNVTWNTSNPDFTKCF
Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.09% sodium azide
Storage Instruction	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 (Transfected lysate)

Western blot analysis of ABCC1 in 10 ug of 293 transfected lysate using ABCC1 monoclonal antibody, clone IU5C1 (Cat # MAB2374). Lane 1 : empty vector. Lane 2 : ABCC1 transfected 293 lysate.

- Immunofluorescence

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 membranes. 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 multidrug resistance. This protein functions as a multispecific organic anion transporter, with oxidized glutathione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transports 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|leukotriene C(4) transporter|multidrug resistance protein|multiple drug resistance protein 1|multiple drug resistance-associated protein

Publication Reference

- [The amino terminus of the human multidrug resistance transporter ABCC1 has a U-shaped folding with a gating function.](#)

Chen Q, Yang Y, Li L, Zhang JT.

The Journal of Biological Chemistry 2006 Oct; 281(41):31152.

Application: Flow Cyt, WB-Tr, Human, HEK 293, MCF-7 cells

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](#)