

Abcc5 monoclonal antibody, clone M5I-10

Catalog # MAB6671

Size

Specification

Product Description	Rat monoclonal antibody raised against partial recombinant Abcc5.
Immunogen	Recombinant protein corresponding to amino acids 1-38 of mouse Abcc5.
Host	Rat
Reactivity	Human, Mouse
Specificity	M5I-10 reacts with an internal epitope of MRP5 (ABCC5), an approximately 160 kD transmembrane protein that is related to the multidrug resistance protein MRP1. The monoclonal antibody also strongly reacts with the human MRP5 protein.
Form	Liquid
Isotype	IgG2a
Recommend Usage	Immunohistochemistry (Frozen sections) (1:20) Immunocytochemistry (1:20-1:50) Western Blot (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum-free culture supernatant (0.7% BSA, 0.09% sodium azide)
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Frozen sections)
- Immunocytochemistry

Gene Info — Abcc5

Entrez GeneID	27416
Gene Name	Abcc5
Gene Alias	2900011L11Rik, AI132311, Abcc5a, Abcc5b, MGC116567, Mrp5
Gene Description	ATP-binding cassette, sub-family C (CFTR/MRP), member 5
Gene Ontology	Hyperlink
Gene Summary	sub-family C (CFTR/MRP)
Other Designations	ATP-binding cassette, sub-family C (CFTR/MRP), member 5a ATP-binding cassette, sub-family C (CFTR/MRP), member 5b ATP-binding cassette, sub-family C, member 5 OTTMUSP00000031743 OTTMUSP00000031744

Publication Reference

- [Multidrug resistance-associated proteins 3, 4, and 5.](#)

Borst P, de Wolf C, van de Wetering K.

Pflügers Archiv : European Journal of Physiology 2007 Feb; 453(5):661.

- [The multidrug resistance protein 5 \(ABCC5\) confers resistance to 5-fluorouracil and transports its monophosphorylated metabolites.](#)

Pratt S, Shepard RL, Kandasamy RA, Johnston PA, Perry W 3rd, Dantzig AH.

Molecular Cancer Therapeutics 2005 May; 4(5):855.

Application: WB-Tr, Human, HEK 293 cells

- [Characterization of the transport of nucleoside analog drugs by the human multidrug resistance proteins MRP4 and MRP5.](#)

Reid G, Wielinga P, Zelcer N, De Haas M, Van Deemter L, Wijnholds J, Balzarini J, Borst P.

Molecular Pharmacology 2003 May; 63(5):1094.