ABCC12 monoclonal antibody, clone M9I-38

Catalog # MAB6674 Size

Specification

Product Description	Rat monoclonal antibody raised against partial recombinant ABCC12.
Immunogen	Recombinant protein corresponding to amino acids 1-42 of human ABCC12.
Host	Rat
Reactivity	Human
Specificity	M9I-38 reacts with an internal epitope of MRP9 (ABCC12), an approximately 150 kD transmembrane protein that is related to the multidrug resistance protein MRP1.
Form	Liquid
Isotype	IgG
Recommend Usage	Immunohistochemistry (Frozen sections) (1:20) Immunocytochemistry (1:20-1:50) Wstern 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

- Immunohistochemistry (Frozen sections)
- Immunocytochemistry
- Western Blot

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Gene Info — ABCC12

Entrez GeneID	94160
Gene Name	ABCC12
Gene Alias	MGC27071, MRP9
Gene Description	ATP-binding cassette, sub-family C (CFTR/MRP), member 12
Omim ID	607041
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the superfamily of ATP-binding cassette (ABC) transporters and the en coded protein contains two ATP-binding domains and 12 transmembrane regions. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided in to seven distinct subfamilies: ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White. This gen e is a member of the MRP subfamily which is involved in multi-drug resistance. This gene and ano ther subfamily member are arranged head-to-tail on chromosome 16q12.1. Increased expression of this gene is associated with breast cancer. [provided by RefSeq
Other Designations	ATP-binding cassette protein C12|ATP-binding cassette transporter sub-family C member 12|OT THUMP00000164186|multidrug resistance-associated protein 9

Publication Reference

- Multidrug resistance-associated protein 9 (ABCC12) is present in mouse and boar sperm.

  Ono N, Van der Heijden I, Scheffer GL, Van de Wetering K, Van Deemter E, De Haas M, Boerke A, Gadella BM, De Rooij DG, Neefjes JJ, Groothuis TA, Oomen L, Brocks L, Ishikawa T, Borst P.

  The Biochemical Journal 2007 Aug; 406(1):31.

  Application: ICC, IF, IHC, WB-Tr, Human, Mouse, HEK 293 cells, Mouse sperm, testis

- ABCC10, ABCC11, and ABCC12.

  Kruh GD, Guo Y, Hopper-Borge E, Belinsky MG, Chen ZS.

  Pflugers Archiv 2007 Feb; 453(5):675.

- MRP9, an unusual truncated member of the ABC transporter superfamily, is highly expressed in breast cancer.

  Bera TK, Iavarone C, Kumar V, Lee S, Lee B, Pastan I.

  PNAS 2002 May; 99(10):6997.

  Application: WB-Ti, Human, Testis

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Pathway

- ABC transporters

Disease

- Tobacco Use Disorder

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