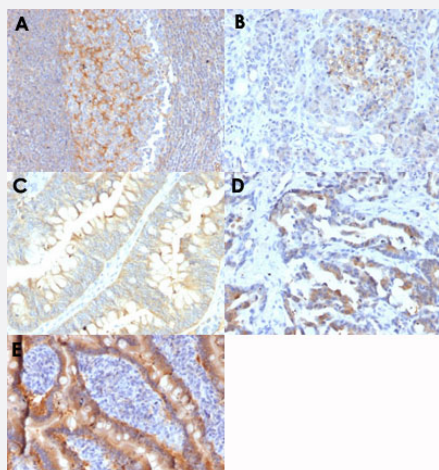


ABCC1 monoclonal antibody, clone MRP1/1343

Catalog # MAB14851 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil (A), human pancreas (B), human colon carcinoma (C), human rectal carcinoma (D) and human duodenum (E) with ABCC1 monoclonal antibody, clone MRP1/1343 (Cat # MAB14851).

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	IgG1

Recommend Usage

Flow Cytometry (0.5-1 ug/10⁶ cells)
Immunofluorescence (0.5-1 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 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
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil (A), human pancreas (B), human colon carcinoma (C), human rectal carcinoma (D) and human duodenum (E) with ABCC1 monoclonal antibody, clone MRP1/1343 (Cat # MAB14851).
- 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 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

- [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](#)