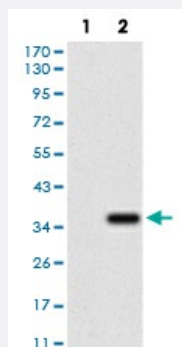


# ABCC4 monoclonal antibody, clone 6A7H3

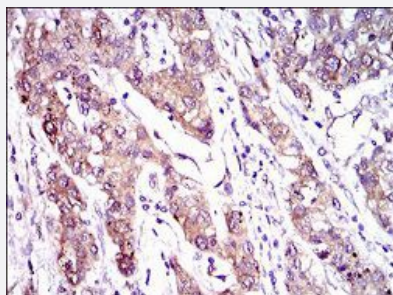
Catalog # MAB17767      Size 100 ug

## Applications



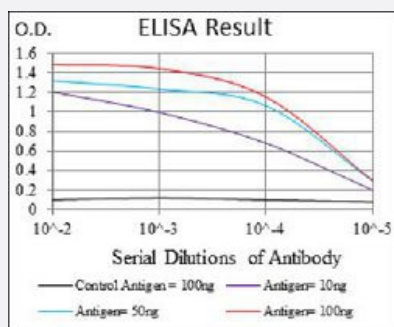
### Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) ABCC4-hlgGfc transfected HEK293 cell lysate with ABCC4 monoclonal antibody.



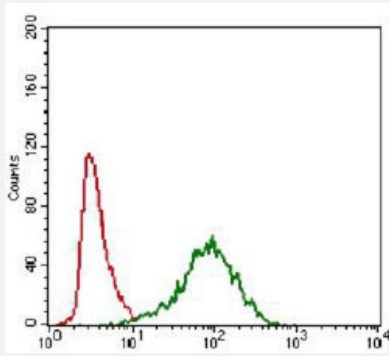
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded liver cancer tissue with ABCC4 monoclonal antibody.



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ABCC4 monoclonal antibody, clone 6A7H3.



## Flow Cytometry

Flow cytometric analysis of A549 cells with ABCC4 monoclonal antibody (green) and negative control (red).

## Specification

Product Description	Mouse monoclonal antibody raised against recombinant human ABCC4.
Immunogen	Recombinant protein corresponding to amino acids 631-692 of human ABCC4 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	150
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunocytochemistry Immunohistochemistry (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage 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 (1) HEK293 cells, (2) ABCC4-hlgGfc transfected HEK293 cell lysate with ABCC4 monoclonal antibody.

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

Immunohistochemical staining of paraffin-embedded liver cancer tissue with ABCC4 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ABCC4 monoclonal antibody, clone 6A7H3.

- Flow Cytometry

Flow cytometric analysis of A549 cells with ABCC4 monoclonal antibody (green) and negative control (red).

## Gene Info — ABCC4

**Entrez GeneID** [10257](#)

**Gene Name** ABCC4

**Gene Alias** EST170205, MOAT-B, MOATB, MRP4

**Gene Description** ATP-binding cassette, sub-family C (CFTR/MRP), member 4

**Omim ID** [605250](#)

**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 protein is a member of the MRP subfamily which is involved in multi-drug resistance. The specific function of this protein has not yet been determined; however, this protein may play a role in cellular detoxification as a pump for its substrate, organic anions. Alternative splicing results in multiple splice variants encoding different isoforms. [provided by RefSeq]

**Other Designations** ATP-binding cassette, sub-family C, member 4|OTTHUMP00000018560|bA464I2.1 (ATP-binding cassette, sub-family C (CFTR/MRP), member 4)|canalicular multispecific organic anion transporter (ABC superfamily)|multidrug resistance-associated protein 4|multispecific

## Pathway

- [ABC transporters](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Fanconi Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Pulmonary Disease](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)