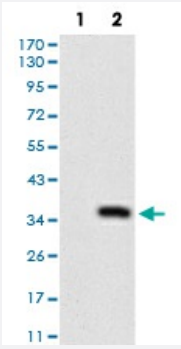
ABCC4 monoclonal antibody, clone 2D2A9

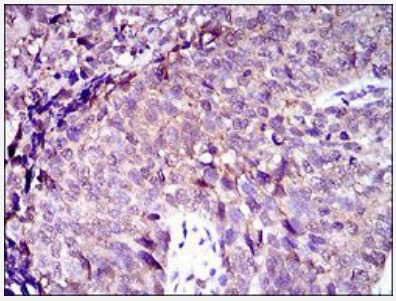
Catalog # MAB17763 Size 100 ug

Applications



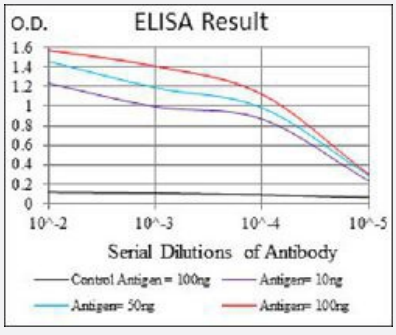
Western Blot (Transfected lysate)

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



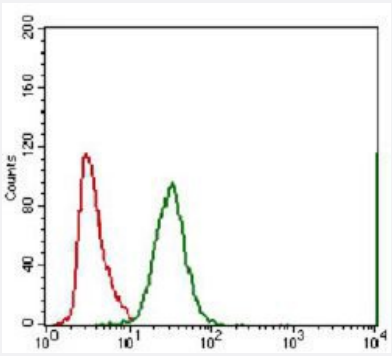
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ABCC4 monoclonal antibody, clone 2D2A9.



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 *E. coli*.
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 shoul d be handled by trained staff only.

Applications

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

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- Enzyme-linked Immunoabsorbent Assay

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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 membrane s. 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 res istance. The specific function of this protein has not yet been determined; however, this protein m ay play a role in cellular detoxification as a pump for its substrate, organic anions. Alternative splic ing 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-bindin g cassette, sub-family C (CFTR/MRP), member 4)|canalicular multispecific organic anion transpo rter (ABC superfamily)|multidrug resistance-associated protein 4|multispecif

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