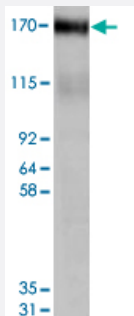


ABCC4 polyclonal antibody

Catalog # PAB6698

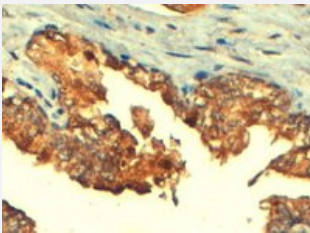
Size 100 ug

Applications



Western Blot (Tissue lysate)

ABCC4 polyclonal antibody (Cat # PAB6698) staining (0.5 ug/mL) of rat renal cortex membranes (20 ug total protein per lane). Detected by western blot using chemiluminescence. Data kindly provided by Dr. Antje Steinbach, Ernst-Moritz-Arndt University of Greifswald.



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

ABCC4 polyclonal antibody (Cat # PAB6698) (4 ug/mL) staining of paraffin embedded human prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ABCC4.
Immunogen	A synthetic peptide corresponding to C-terminus of human ABCC4.
Sequence	CNGQPSTLTIFETAL
Host	Goat
Theoretical MW (kDa)	149, 150
Reactivity	Human, Rat
Specificity	This antibody is expected to recognize isoform 1 (NP_005836.2) only.

Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (1-3 ug/mL) Immunohistochemistry (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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 (Tissue lysate)

ABCC4 polyclonal antibody (Cat # PAB6698) staining (0.5 ug/mL) of rat renal cortex membranes (20 ug total protein per lane). Detected by western blot using chemiluminescence. Data kindly provided by Dr. Antje Steinbach, Ernst-Moritz-Arndt University of Greifswald.

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

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- Immunocytochemistry

- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ABCC4

Entrez GeneID	10257
Protein Accession#	NP_005836.2
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 4multispecific

Publication Reference

- [Essential role of vesicular nucleotide transporter in vesicular storage and release of nucleotides in platelets.](#)

Hiasa M, Togawa N, Miyaji T, Omote H, Yamamoto A, Moriyama Y.

Physiological Reports 2014 Jun; 2(6):e12034.

Application: WB-Tr, Human, MEG-01 cells

- [MRP4: A previously unidentified factor in resistance to nucleoside-based antiviral drugs.](#)

Schuetz JD, Connelly MC, Sun D, Paibir SG, Flynn PM, Srinivas RV, Kumar A, Fridland A.

Nature Medicine 1999 Sep; 5(9):1048.

Application: WB, Bacteria, Human, BL21 bacteria, Human T-lymphoid cell line CEM-r1

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](#)