

ABCC1 polyclonal antibody

Catalog # PAB11480

Size 100 ug

Applications



Western Blot (Cell lysate)

ABCC1 polyclonal antibody (Cat # PAB11480) (0.05 ug/mL) staining of A-549 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of ABCC1.

Immunogen A synthetic peptide corresponding to human ABCC1.

Sequence C-HQSDLKVDENQKAYY

Host Goat

Theoretical MW (kDa) 172, 165, 166, 159,

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage ELISA (1:128000)
Western Blot (0.05-0.2 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.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ABCC1

Entrez GeneID	4363
Protein Accession#	NP_004987.2;NP_063915.2;NP_063953.2;NP_063954.2;NP_063955.2
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 multi-drug 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]
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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
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Publication Reference

- [Flow cytometric monitoring of multidrug drug resistance protein 1 \(MRP1/ABCC1\) -mediated transport of 2',7'-bis-\(3-carboxypropyl\)-5-\(and-6\)- carboxyfluorescein \(BCPCF\) into human erythrocyte membrane inside-out vesicles.](#)

Bobrowska-Hagerstrand M, Wrobel A, Rychlik B, Ohman I, Hagerstrand H.

Molecular Membrane Biology 2007 Sep; 24(5-6):485.

Application: Func, Human, Human erythrocyte membrane

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](#)
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- [Kidney Diseases](#)
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- [Leukemia](#)
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