

A11978

Leader in Biomolecular Solutions for Life Science



## ABCC5 Rabbit pAb

Catalog No.: A11978

### Basic Information

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**Observed MW**

161kDa

**Calculated MW**

161kDa

**Category**

Polyclonal Antibody

**Applications**

WB,ELISA

**Cross-Reactivity**

Human,Rat

### Background

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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. This protein functions in the cellular export of its substrate, cyclic nucleotides. This export contributes to the degradation of phosphodiesterases and possibly an elimination pathway for cyclic nucleotides. Studies show that this protein provides resistance to thiopurine anticancer drugs, 6-mercatopurine and thioguanine, and the anti-HIV drug 9-(2-phosphonylmethoxyethyl)adenine. This protein may be involved in resistance to thiopurines in acute lymphoblastic leukemia and antiretroviral nucleoside analogs in HIV-infected patients. Alternative splicing results in multiple transcript variants.

### Recommended Dilutions

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WB 1:500 - 1:2000

### Immunogen Information

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**Gene ID**

10057

**Swiss Prot**

O15440

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ABCC5 (NP\_005679.2).

**Synonyms**

MRP5; SMRP; ABC33; MOATC; MOAT-C; pABC11; EST277145; ABCC5

### Contact

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[www.abclonal.com](http://www.abclonal.com)

### Product Information

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**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

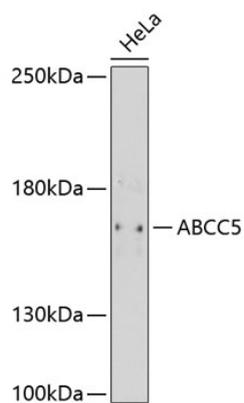
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of HeLa cells, using ABCC5 antibody (A11978) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 90s.