

ABCC5 Antibody

Catalog No: #36983

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Description

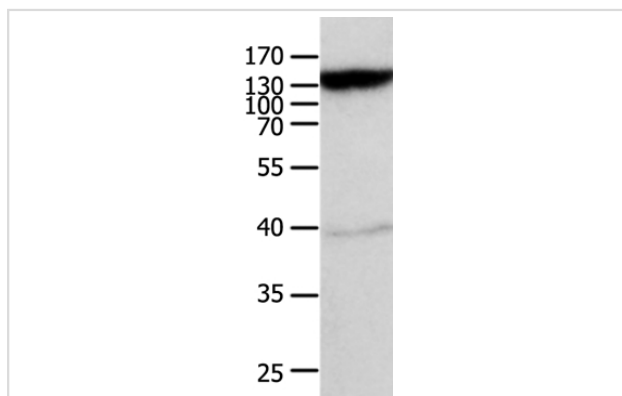
Product Name	ABCC5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total ABCC5 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human ATP-binding cassette, sub-family C?
Target Name	ABCC5
Other Names	MRP5; SMRP; ABC33; MOATC; MOAT-C; pABC11; EST277145
Accession No.	Swiss-Prot#: O15440NCBI Gene ID: 10057Gene Accssion: NP_005679
Uniprot	O15440
GeneID	10057;
SDS-PAGE MW	161kd
Concentration	1.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:1000-1:5000

Immunohistochemistry: 1:50-1:200

Images



Gel: 10%SDS-PAGE

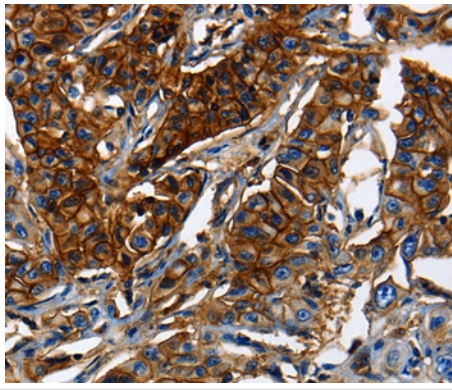
Lysates (from left to right): Mouse heart tissue

Amount of lysate: 40ug per lane

Primary antibody: 1/950 dilution

Secondary antibody dilution: 1/8000

Exposure time: 10 minutes



Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using #36983 at dilution 1/50.

Background

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-mercaptopurine 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 of this gene has been detected; however, the complete sequence and translation initiation site is unclear.?

Note: This product is for in vitro research use only