

Product datasheet for **TA322564**

MRP5 (ABCC5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:1000-10000, WB: 1:1000-3000, IHC: 1:25-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 2-14 amino acids of Human ATP-binding cassette, sub-family C?
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24 kDa
Gene Name:	ATP binding cassette subfamily C member 5
Database Link:	NP_005679 Entrez Gene 27416 Mouse Entrez Gene 116721 Rat Entrez Gene 10057 Human Q15440



[View online »](#)

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.

Synonyms:

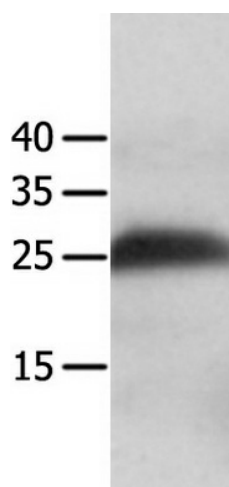
ABC33; EST277145; MOAT-C; MOATC; MRP5; pABC11; SMRP

Protein Families:

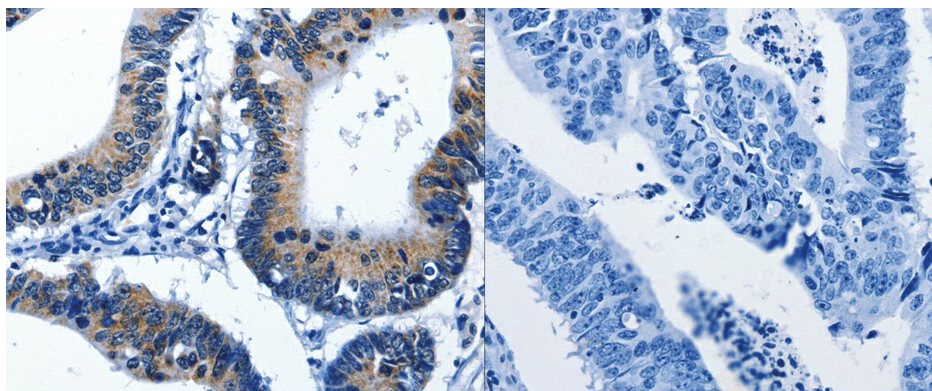
Druggable Genome, Transmembrane

Protein Pathways:

ABC transporters

Product images:

Western blot analysis of Mouse eyes tissue using TA322564 (ABCC5 Antibody) at dilution 1/1150



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322564 (ABCC5 Antibody) (left image) at dilution 1/60, the image on the right is treated with the synthetic peptide. (Original magnification: x200)