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Anti-ABCC5 / MRP5 Antibody (clone 6C6)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17290

Product Information

Application	WB, IHC-P
Primary Accession	O15440
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	6C6
Calculated MW	160660
Concentration (mg/ml)	1 mg/ml

Additional Information

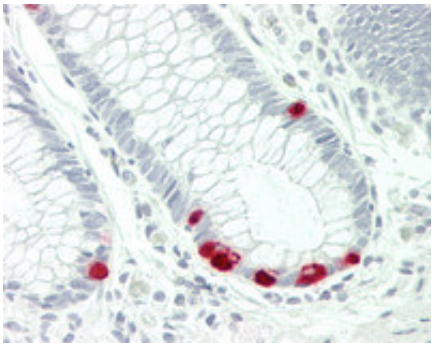
Gene ID	10057
Alias Symbol	ABCC5
Other Names	ABCC5, ABC33, Abcc5a, MOATC, MRP5, PABC11, SMRP, EST277145, MOAT-C
Target/Specificity	Human ABCC5 / MRP5
Reconstitution & Storage	PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide Store at -20°C. Minimize freezing and thawing.
Precautions	Anti-ABCC5 / MRP5 Antibody (clone 6C6) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ABCC5
Synonyms	MRP5
Function	ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds, and xenobiotics from cells. Mediates ATP-dependent transport of endogenous metabolites such as cAMP and cGMP, folic acid and N-lactoyl-amino acids (in vitro) (PubMed:10893247, PubMed:12637526, PubMed:12695538, PubMed:15899835, PubMed:17229149, PubMed:25964343). Also acts as a general glutamate conjugate and analog transporter that can limit the brain levels of endogenous metabolites, drugs, and toxins (PubMed:26515061). Confers resistance to the antiviral agent PMEA (PubMed:12695538). Able to transport several anticancer drugs including methotrexate, and nucleotide analogs in

	vitro, however it does with low affinity, thus the exact role of ABCC5 in mediating resistance still needs to be elucidated (PubMed:10840050, PubMed:12435799, PubMed:12695538, PubMed:15899835). Acts as a heme transporter required for the translocation of cytosolic heme to the secretory pathway (PubMed:24836561). May play a role in energy metabolism by regulating the glucagon-like peptide 1 (GLP-1) secretion from enteroendocrine cells (By similarity).
Cellular Location	Basolateral cell membrane; Multi-pass membrane protein. Golgi apparatus lumen Endosome membrane. Cytoplasmic granule {ECO:0000250|UniProtKB:Q9R1X5}. Apical cell membrane; Multi-pass membrane protein. Note=In most cells, routes to the basolateral plasma membrane, but in the brain capillary endothelial cells that form the blood-brain barrier, resides in the apical membrane
Tissue Location	[Isoform 3]: Predominant isoform in retinal pigment epithelium, bladder, and stomach.

Images



Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)