

Anti-ABCC5 / MRP5 Antibody (clone 6C6)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17290**Specification**

Anti-ABCC5 / MRP5 Antibody (clone 6C6) - Product Information

Application	WB, IHC-P
Primary Accession	O15440
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	160660
Dilution	WB~~1:1000 IHC-P~~N/A

Anti-ABCC5 / MRP5 Antibody (clone 6C6) - 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.**Anti-ABCC5 / MRP5 Antibody (clone 6C6) - 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

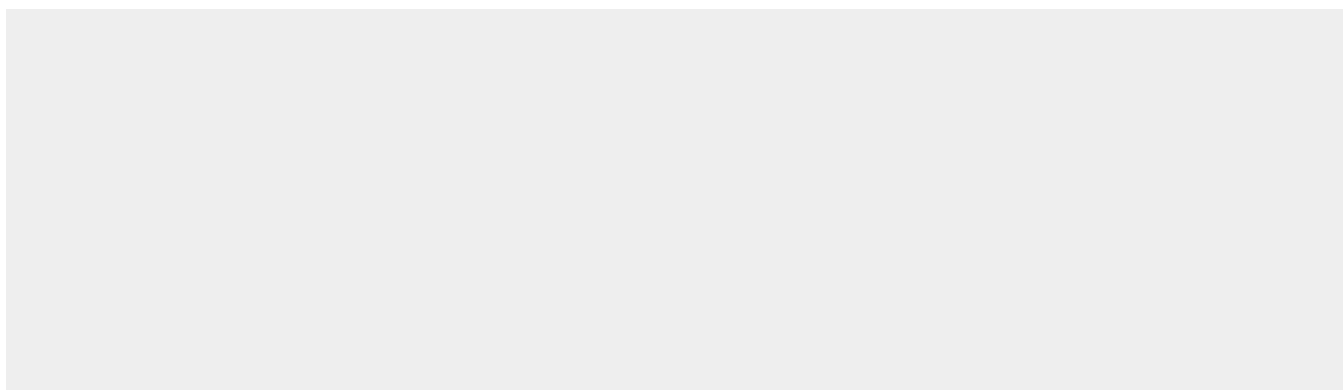
[Isoform 3]: Predominant isoform in retinal pigment epithelium, bladder, and stomach.

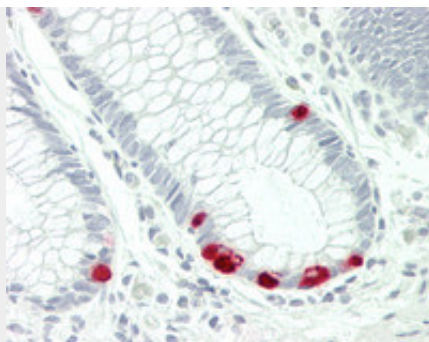
Anti-ABCC5 / MRP5 Antibody (clone 6C6) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ABCC5 / MRP5 Antibody (clone 6C6) - Images





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