

# MRP7 Polyclonal Antibody

Catalog # AP71025

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">Q5T3U5</a>
<b>Reactivity</b>	Human, Monkey
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	161629

## Additional Information

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<b>Gene ID</b>	89845
<b>Other Names</b>	ABCC10; MRP7; SIMRP7; Multidrug resistance-associated protein 7; ATP-binding cassette sub-family C member 10
<b>Dilution</b>	WB--Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. IHC-P--N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	ABCC10 {ECO:0000303   PubMed:12527806}
<b>Function</b>	ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds, and xenobiotics from cells. Lipophilic anion transporter that mediates ATP-dependent transport of glucuronide conjugates such as estradiol-17-beta-o- glucuronide and GSH conjugates such as leukotriene C4 (LTC4) (PubMed: <a href="#">12527806</a> , PubMed: <a href="#">15256465</a> ). May regulate the transport of organic compounds in testes across the blood-testis-barrier (Probable). Mediates intercellular propagation of antiviral immune signaling in early stages of infection (By similarity). In RNA virus-infected cells, oligoadenylate synthase senses viral dsRNA and generates 2',5'- oligoadenylates (2-5A) which act as second messengers to activate RNASEL and type I interferon signaling to inhibit viral replication (By similarity). This innate signaling pathway is locally extended and amplified by ABCC10, which exports 2-5A from virus-infected cells to cross-activates RNASEL in uninfected neighboring cells and confers protection against viral infection (By similarity). Mediates multidrug resistance (MDR) in cancer cells by preventing the intracellular accumulation of certain antitumor drugs, such as, docetaxel and paclitaxel (PubMed: <a href="#">15256465</a> ,

PubMed:[23087055](#)). Does not transport glycocholic acid, taurocholic acid, MTX, folic acid, cAMP, or cGMP (PubMed:[12527806](#)).

### Cellular Location

Cell membrane; Multi-pass membrane protein {ECO:0000255 | PROSITE-ProRule:PRU00441, ECO:0000269 | PubMed:12566991, ECO:0000269 | PubMed:15256465}. Basolateral cell membrane; Multi-pass membrane protein. Basal cell membrane; Multi-pass membrane protein. Note=Localized to the basal membrane of Sertoli cells.

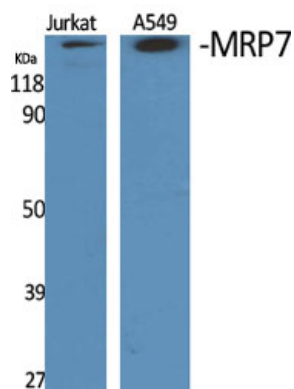
### Tissue Location

In testis, localized to peritubular myoid cells, Leydig cells, along the basal membrane of Sertoli cells, moderately in the adluminal compartment of the seminiferous tubules, and in vascular endothelial cells. [Isoform 2]: Widely expressed.

## Background

ATP-dependent transporter probably involved in cellular detoxification through lipophilic anion extrusion.

## Images



Western Blot analysis of various cells using MRP7 Polyclonal Antibody diluted at 1 : 1000



Western Blot analysis of COS7 cells using MRP7 Polyclonal Antibody diluted at 1 : 1000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.