

ABCC11 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51732**Specification**

ABCC11 Antibody - Product Information

Application	WB, E
Primary Accession	O96J66
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	125 KDa

ABCC11 Antibody - Additional Information**Gene ID** 85320**Other Names**

ATP-binding cassette sub-family C member 11, Multidrug resistance-associated protein 8, ABCC11, MRP8

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

ABCC11 Antibody - Protein Information**Name** ABCC11 ([HGNC:14639](#))**Function**

ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds and xenobiotics from cells. Plays a role in physiological processes involving bile acids, conjugated steroids and cyclic nucleotides, including cAMP and cGMP (PubMed: [12764137](http://www.uniprot.org/citations/12764137), PubMed: [15537867](http://www.uniprot.org/citations/15537867)). Mediates the ATP-dependent efflux of a range of physiological lipophilic anions, including the glutathione S-conjugates leukotriene C4 and dinitrophenyl S- glutathione, steroid sulfates, such as dehydroepiandrosterone 3-sulfate (DHEAS) and estrone 3-sulfate, glucuronides such as estradiol 17-beta- D-glucuronide (E(2)17betaG), the monoanionic bile acids glycocholate and taurocholate, and methotrexate (PubMed: [15537867](http://www.uniprot.org/citations/15537867), PubMed: [16359813](http://www.uniprot.org/citations/16359813), PubMed: [25896536](http://www.uniprot.org/citations/25896536)). Plays a role in the transport of earwax components (PubMed: [16444273](http://www.uniprot.org/citations/16444273), PubMed: [19383836](http://www.uniprot.org/citations/19383836)). Participates in the secretion of odorants and their precursors from the apocrine sweat glands, including the

secretion of glutamine conjugates, as well as the Cys-Gly(S) conjugates of 3-methyl-3-sulfanyl-hexanol (PubMed:19710689). Involved in the cellular extrusion of nucleotide analogs, hence conferring resistance to various drugs, including clinically relevant drugs such as 5-fluorouracil (5-FU) and methotrexate (PubMed:12764137, PubMed:15537867, PubMed:25896536).

Cellular Location

Cell membrane; Multi-pass membrane protein. Vacuole membrane Cytoplasmic vesicle membrane. Apical cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in apocrine glands (at protein level) (PubMed:19383836, PubMed:19710689). Expressed at moderate levels in breast and testis and at very low levels in liver, brain and placenta (PubMed:11483364, PubMed:11591886, PubMed:16359813). Localizes to axons of the central and peripheral nervous system (at protein level) (PubMed:16359813).

ABCC11 Antibody - 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](#)

ABCC11 Antibody - Images

ABCC11 Antibody - Background

Participates in physiological processes involving bile acids, conjugated steroids and cyclic nucleotides. Enhances the cellular extrusion of cAMP and cGMP. Stimulates the ATP-dependent uptake of a range of physiological and synthetic lipophilic anions, including the glutathione S-conjugates leukotriene C4 and dinitrophenyl S-glutathione, steroid sulfates such as dehydroepiandrosterone 3-sulfate (DHEAS) and estrone 3-sulfate, glucuronides such as estradiol 17-beta-D-glucuronide (E(2)17betaG), the monoanionic bile acids glycocholate and taurocholate, and methotrexate. Probably functions to secrete earwax.

ABCC11 Antibody - References

Tammur J.,et al.Gene 273:89-96(2001).
Yabuuchi H.,et al.Biochem. Biophys. Res. Commun. 288:933-939(2001).
Bera T.K.,et al.Mol. Med. 7:509-516(2001).
Guo Y.,et al.J. Biol. Chem. 278:29509-29514(2003).
Chen Z.S.,et al.Mol. Pharmacol. 67:545-557(2005).