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Anti-ABCC11 Antibody

Catalog # AP51732

Product Information

Application	WB
Primary Accession	Q96J66
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	154301

Additional Information

Gene ID	85320
Other Names	MRP8; ATP-binding cassette sub-family C member 11; Multidrug resistance-associated protein 8
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ABCC11. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

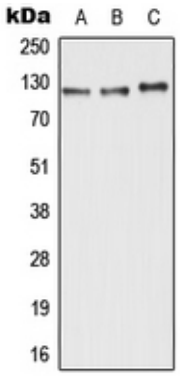
Name	ABCC11 (HGNC:14639)
Function	ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds and xenobiotics from cells. Plays a role in physiological processes involving bile acids, conjugated steroids and cyclic nucleotides, including cAMP and cGMP (PubMed:12764137, PubMed: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, PubMed:16359813, PubMed:25896536). Plays a role in the transport of earwax components (PubMed:16444273, PubMed: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).

References

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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).

Images



Western blot analysis of ABCC11 expression in HepG2 (A), Raw264.7 (B), H9C2 (C) whole cell lysates. (Predicted band size: 154 kD; Observed band size: 120 kD)

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