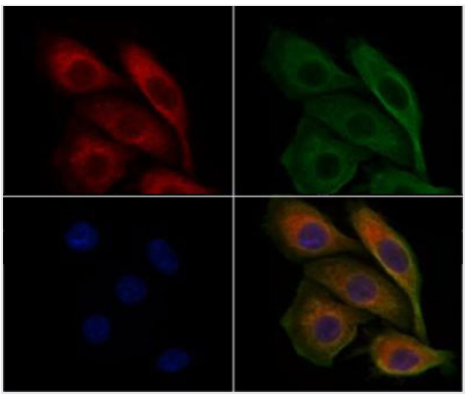
ABCC11 Antibody – Rabbit Polyclonal

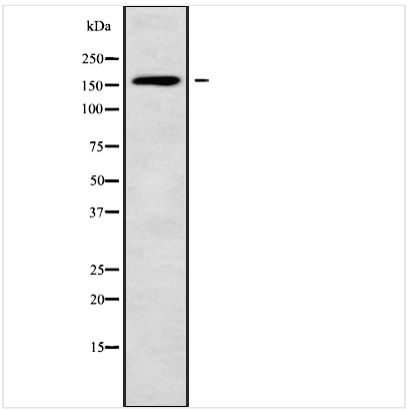
PRODUCT OVERVIEW

Product Name	ABCC11, Polyclonal Antibody
Full Product Name	ABCC11 Antibody
Product Gene Name	anti-ABCC11 antibody
Product Synonym Names	ABCC 11; ATP binding cassette protein C11; ATP binding cassette sub family C (CFTR/MRP) member 11; ATP binding cassette sub family C member 11; ATP binding cassette transporter MRP8; ATP binding cassette transporter sub family C member 11; EWWD; MRP8; Multi resistance protein 8; Multidrug resistance associated protein 8; OTTHUMP00000164191; WW
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	ABCC11 antibody detects endogenous levels of total ABCC11
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	ABCC11 peptide (MBS9628274) is used for blocking the activity of ABCC11 antibody (MBS9609570)
Molecular Weight	154kDa
3D Structure	ModBase 3D Structure for Q96J66
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human ABCC11, corresponding to a region within the internal amino acids.
Subcellular Location	Membrane; Multipass Membrane Protein.
Tissue Specificity	Expressed in ceruminous apocrine gland (at protein level) (PubMed:19383836, PubMed:19710689). Expressed in many tissues. Not expressed in kidney, spleen and colon. Highly expressed in breast cancer. Expressed at moderate levels in normal breast and testis and at very low levels in liver, brain and placenta.
Predicted Cross Reactivity	**Bovine, Horse, Dog**
Similarity	Bovine (86%), Horse (86%), Dog (88%) Belongs to the ABC transporter superfamily. ABCC family. Conjugate transporter (TC 3.A.1.208) subfamily. [View classification]
Conjugation	Unconjugated
Important	For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.

Applications Tested/Suitable for anti-ABCC11 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-ABCC11 antibody	WB: 1:1000-3000 IF/ICC: 1:100-1:500 ELISA(peptide): 1:20000-1:40000
Related Product Information for anti-ABCC11 antibody	Function: Participates in physiological processes involving bile acids, conjugated steroids and cyclic nucleotides (PubMed:12764137, PubMed:15537867). Enhances the cellular extrusion of cAMP and cGMP (PubMed:12764137, PubMed:15537867). 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 (E217betaG), the monoanionic bile acids glycocholate and taurocholate, and methotrexate (PubMed:15537867, PubMed:25896536). Probably functions to secrete earwax (PubMed:16444273, PubMed:19383836). Required for the secretion of components contributing to axillary odor formation (PubMed:19710689). Similarity: Belongs to the ABC transporter superfamily. ABCC family. Conjugate transporter (TC 3.A.1.208) subfamily.
Other Notes	Small volumes of anti-ABCC11 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ABCC11 purchase	MBS9609570 is an antibody targeting ABCC11. Also known as ABCC11 Antibody. Reactive in Human. Host: Rabbit.



Immunofluorescence (IF) of anti-ABCC11 antibody
MBS9609570 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(MBS9609570 1:200) and mouse antibeta tubulin Ab(MBS9610328 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.



Western Blot (WB) of anti-ABCC11 antibody
Western blot analysis of ABCC11 using Jurkat whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCC11. It may not necessarily be applicable to this product.

NCBI GI #	21729873
NCBI GeneID	85320
NCBI Accession #	NP_115972.2
UniProt Primary Accession #	Q96J66
UniProt Secondary Accession #	Q8TDJ0; Q96JA6; Q9BX80
UniProt Related Accession #	Q96J66
GenBank Nucleotide #	NM_032583.3
NCBI Official Full Name	ATP-binding cassette sub-family C member 11 isoform a

NCBI Official Synonym Full Names	ATP binding cassette subfamily C member 11
NCBI Official Symbol	ABCC11
NCBI Official Synonym Symbols	WW; EWWD; MRP8
UniProt Protein Name	ATP-binding cassette sub-family C member 11
UniProt Synonym Protein Names	Multidrug resistance-associated protein 8
Protein Family	ABC transporter C family
UniProt Gene Name	ABCC11
UniProt Synonym Gene Names	MRP8
NCBI Protein Information	ATP-binding cassette sub-family C member 11
NCBI Summary for ABCC11	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This ABC full transporter is a member of the MRP subfamily which is involved in multi-drug resistance. The product of this gene participates in physiological processes involving bile acids, conjugated steroids, and cyclic nucleotides. In addition, a SNP in this gene is responsible for determination of human earwax type. This gene and family member ABCC12 are determined to be derived by duplication and are both localized to chromosome 16q12.1. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for ABCC11	Participates in physiological processes involving bile acids, conjugated steroids and cyclic nucleotides (PubMed:12764137, PubMed:15537867). Enhances the cellular extrusion of cAMP and cGMP (PubMed:12764137, PubMed:15537867). 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 (E217betaG), the monoanionic bile acids glycocholate and taurocholate, and methotrexate (PubMed:15537867, PubMed:25896536). Probably functions to secrete earwax (PubMed:16444273, PubMed:19383836). Required for the secretion of components contributing to axillary odor formation (PubMed:19710689).
Research Articles on ABCC11	**1.** Serum levels of MRP8/MRP14 and MRP6 were up-regulated in patients with Graves' disease (GD) and Hashimoto's thyroiditis (HT). In addition, mRNA expression of MRP proteins in PBMCs and the thyroid gland was markedly elevated in these patients.
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