

**ABCC11 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP4787a**

**Specification**

**ABCC11 Antibody (N-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">Q96J66</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit Ig</b>
Calculated MW	<b>154301</b>
Antigen Region	<b>343-372</b>

**ABCC11 Antibody (N-term) - Additional Information**

**Gene ID** 85320

**Other Names**

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

**Target/Specificity**

This ABCC11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 343-372 amino acids from the N-terminal region of human ABCC11.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100

**Format**

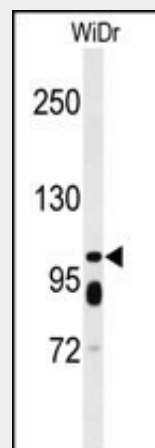
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

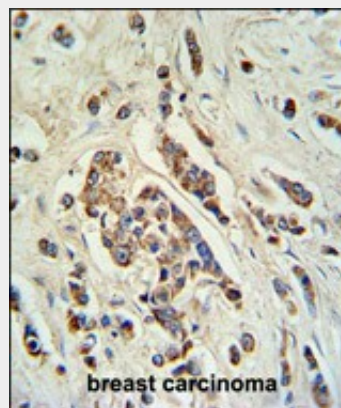
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ABCC11 Antibody (N-term) is for research



Western blot analysis of ABCC11 Antibody (N-term) (Cat. #AP4787a) in WiDr cell line lysates (35ug/lane). ABCC11 (arrow) was detected using the purified Pab.



ABCC11 Antibody (N-term) (Cat. #AP4787a) IHC analysis in formalin fixed and paraffin embedded breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ABCC11 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

**ABCC11 Antibody (N-term) - Background**

ABCC11 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC

use only and not for use in diagnostic or therapeutic procedures.

#### ABCC11 Antibody (N-term) - Protein Information

**Name** ABCC11 ([HGNC:14639](#))

**Synonyms** MRP8

#### Function

ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds, and xenobiotics from cells. Participates in physiological processes involving bile acids, conjugated steroids and cyclic nucleotides (PubMed:[12764137](http://www.uniprot.org/citations/12764137)), PubMed:[15537867](http://www.uniprot.org/citations/15537867)), PubMed:[15537867](http://www.uniprot.org/citations/15537867)). Stimulates the ATP-dependent uptake 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:[25896536](http://www.uniprot.org/citations/25896536)), PubMed:[25896536](http://www.uniprot.org/citations/25896536)). Enhances also the cellular extrusion of cAMP and cGMP (PubMed:[12764137](http://www.uniprot.org/citations/12764137)), PubMed:[15537867](http://www.uniprot.org/citations/15537867)), PubMed:[15537867](http://www.uniprot.org/citations/15537867)). Confers resistance to anticancer drugs, such as 5-fluorouracil (5-FU) and methotrexate (PubMed:[25896536](http://www.uniprot.org/citations/25896536)), PubMed:[15537867](http://www.uniprot.org/citations/15537867)), PubMed:[15537867](http://www.uniprot.org/citations/15537867)), PubMed:[12764137](http://www.uniprot.org/citations/12764137)), PubMed:[12764137](http://www.uniprot.org/citations/12764137)). Probably

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.

#### ABCC11 Antibody (N-term) - References

Martin, A., et al. J. Invest. Dermatol. 130(2):529-540(2010)  
J. Hum. Genet. 54(9):499-503(2009)  
Sato, T., et al. J. Hum. Genet. 54(7):409-413(2009)

functions to secrete earwax (PubMed:<a href="http://www.uniprot.org/citations/16444273" target="\_blank">16444273</a>, PubMed:<a href="http://www.uniprot.org/citations/19383836" target="\_blank">19383836</a>). Required for the secretion of components contributing to axillary odor formation (PubMed:<a href="http://www.uniprot.org/citations/19710689" target="\_blank">19710689</a>, PubMed:<a href="http://www.uniprot.org/citations/12764137" target="\_blank">12764137</a>, PubMed:<a href="http://www.uniprot.org/citations/15537867" target="\_blank">15537867</a>, PubMed:<a href="http://www.uniprot.org/citations/16444273" target="\_blank">16444273</a>, PubMed:<a href="http://www.uniprot.org/citations/19383836" target="\_blank">19383836</a>, PubMed:<a href="http://www.uniprot.org/citations/25896536" target="\_blank">25896536</a>).

#### Cellular Location

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

#### Tissue Location

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 (PubMed:11483364, PubMed:11591886, PubMed:19383836, PubMed:19710689). Localizes to axons of the CNS and peripheral nervous system (at protein level) (PubMed:16359813).

#### ABCC11 Antibody (N-term) - 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](#)