ABCCB Monoclonal Antibody

Catalog No	YP-mAb-05357
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	ABCC11 MRP8
Protein Name	ATP-binding cassette sub-family C member 11 (Multidrug resistance-associated protein 8)
Immunogen	Synthesized peptide derived from human protein . at AA range: 50-130
Specificity	ABCCB Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	152kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Vacuole membrane . Cytoplasmic vesicle membrane . Apical cell membrane ; Multi-pass 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 (PubMed:11483364, PubMed:11591886, PubMed:19383836, PubMed:19710689). Localizes to axons of the CNS and peripheral nervous system (at protein level) (PubMed:16359813).
Function	function: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.,online information:Of earwax and migration - Issue 67 of February

	2006,polymorphism:The allele with Arg-184 is responsible for the dry earwax phenotype [MIM:117800]. Human earwax is a mendelian trait consisting of wet and dry types. The wet earwax is brownish and sticky, whereas
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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