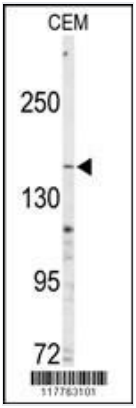
ABCC4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ABCC4, Polyclonal Antibody
Full Product Name	ABCC4, CT (Multi-specific Organic Anion Transporter B, MOAT-B, MRP/cMOAT-related ABC Transporter, ATP-binding Cassette Sub-family C Member 4, Multidrug Resistance-associated Protein 4, MRP4) (FITC)
Product Gene Name	anti-ABCC4 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human ABCC4.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer.
Molecular Weight	149.527
OMIM	605250
3D Structure	ModBase 3D Structure for O15439
Immunogen	Synthetic peptide selected from the C-terminal region of human ABCC4 (KLH).
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-ABCC4 antibody	Antibodies; Multi Drug Resistance (MDR)
Applications Tested/Suitable for anti-ABCC4 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-ABCC4 antibody	WB: 1:50-1:100 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-ABCC4 antibody	MBS6487527 is an antibody targeting ABCC4. Also known as ABCC4, CT (Multi-specific Organic Anion Transporter B, MOAT-B, MRP/cMOAT-related ABC Transporter, ATP-binding Cassette Sub-family C Member 4, Multidrug Resistance-associated Protein 4, MRP4) (FITC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-ABCC4 antibody	1. Lee K., Belinsky M.G., Bell D.W.Cancer Res. 58:2741-2747(1998). 2. Adachi M., Sampath J., Lan L.B.J. Biol. Chem. 277:38998-39004(2002). 3. Kool M., de Haas M., Scheffer G.L.Cancer Res. 57:3537-3547(1997). 4. Janke D., Mehralivand S., Strand D.Hum. Mutat. 29:659-669(2008).
Other Notes	Small volumes of anti-ABCC4 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.



Western Blot (WB) of anti-ABCC4 antibody
Western blot analysis of anti-ABCC4 Antibody (C-term) in CEM cell line lysates (35ug/lane).
ABCC4 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABCC4. It may not necessarily be applicable to this product.

NCBI GI #	157502201
NCBI GeneID	10257
NCBI Accession #	NP_005836
UniProt Primary Accession #	O15439
UniProt Related Accession #	O15439
GenBank Nucleotide #	NP_005836.2
NCBI Official Full Name	multidrug resistance-associated protein 4 isoform 1
NCBI Official Synonym Full Names	ATP binding cassette subfamily C member 4
NCBI Official Symbol	ABCC4
NCBI Official Synonym Symbols	MRP4; MOATB; MOAT-B
UniProt Protein Name	Multidrug resistance-associated protein 4
UniProt Synonym Protein Names	ATP-binding cassette sub-family C member 4; MRP/cMOAT-related ABC transporter; Multi-specific organic anion transporter B; MOAT-B
Protein Family	ABC transporter C family
UniProt Gene Name	ABCC4
UniProt Synonym Gene Names	MRP4; MOAT-B
UniProt Entry Name	MRP4_HUMAN
NCBI Protein Information	multidrug resistance-associated protein 4
NCBI Summary for ABCC4	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 protein is a member of the MRP subfamily which is involved in multi-drug resistance. This family member plays a role in cellular detoxification as a pump for its substrate, organic anions. It may also function in prostaglandin-mediated cAMP signaling in ciliogenesis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2014]

UniProt Comments for ABCC4	ABCC4: a widely-expressed multi-pass membrane protein. An organic anion pump involved in cellular detoxification. Widely expressed, with particularly high levels in prostate, but is barely detectable in liver. Protein type: Transporter; Membrane protein, multi-pass; Transporter, ABC family; Membrane protein, integral Chromosomal Location of Human Ortholog: 13q32 Cellular Component: membrane; basolateral plasma membrane; integral to membrane; plasma membrane; platelet dense granule membrane Molecular Function: ATPase activity, coupled to transmembrane movement of substances; 15-hydroxyprostaglandin dehydrogenase (NAD+) activity; ATP binding Biological Process: response to drug; platelet activation; platelet degranulation; positive regulation of smooth muscle cell proliferation; response to organic nitrogen; blood coagulation; transmembrane transport; response to organic cyclic substance
Research Articles on ABCC4	**1.** TNFalpha induces hepatic MRP4 expression through activation of the p38-E2F1-Nrf2 signaling pathway.
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