

Rabbit ABCC4 Polyclonal Antibody | anti-ABCC4 antibody

ABCC4 Antibody

CATALOG # AAA306425	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

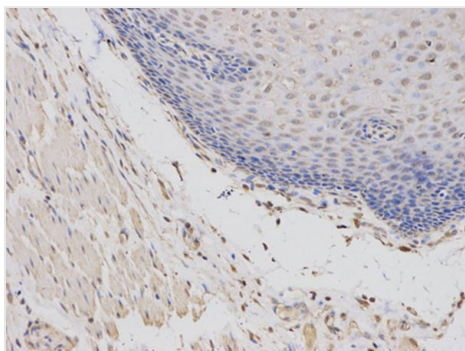
PRODUCT SYNONYMS

ABCC4; Polyclonal Antibody; ABCC4 Antibody; EST170205; MOAT-B; MOATB; MRP4; anti-ABCC4 antibody

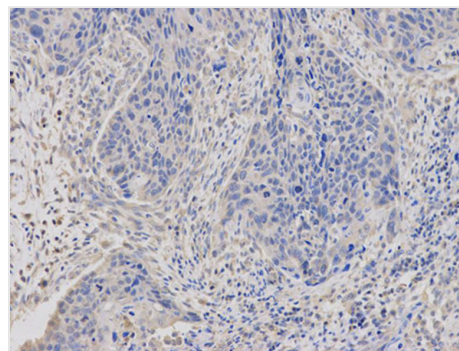
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total ABCC4 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	859
Applicable Applications for anti-ABCC4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human ABCC4.
Target Name	ABCC4
Preparation and Storage	Store at -20 degree C

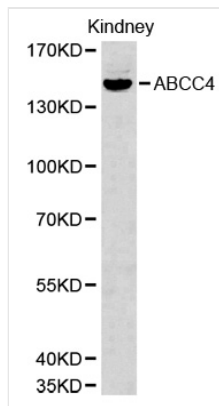
IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human esophagus using ABCC4 antibody at dilution of 1:200 (200x lens).


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human esophageal cancer using ABCC4 antibody at dilution of 1:200 (200x lens).



WB (Western Blot)
Western blot analysis of extracts of kidney cell line, using ABCC4 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ABCC4 antibody	ABCC4 is a member of the ATP-binding Cassette (ABC) transporter family. ABC proteins transport various molecules across cellular membranes by utilizing the energy generated from ATP hydrolysis. There are seven subfamilies of ABC proteins: ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, and White (1). ABCC4 belongs to the MRP subfamily, which is involved in multi-drug resistance, hence it is also named MRP4. ABCC4 is widely expressed in cells and tissues including prostate, kidney proximal tubules, astrocytes and capillary endothelial cells of the brain, platelets, and many cancer cell lines (2-4). ABCC4 mediates efflux transport of a wide variety of endogenous and xenobiotic organic anionic compounds (5). The diversity of substrates determines the biological functions of ABCC4. It regulates cAMP levels in human leukemia cells, thereby controlling the proliferation and differentiation of leukemia cells (6). ABCC4 also enables COX deficient pancreatic cancer cells to obtain exogenous prostagladins (7). Researchers have shown that ABCC4 expression is elevated in drug resistant cancer cells, which makes it a potential target for cancer therapy (8,9). ABCC4 localizes to both plasma membrane and intracellular membranous structures (10). Investigators have also implicated ABCC4 in the pathogenesis of Kawasaki disease, a genetic childhood disease characterized by vasculitis (11).
Product Categories/Family for anti-ABCC4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	157502203
NCBI GeneID	10257
NCBI Accession #	NP_001098985.1
NCBI GenBank Nucleotide #	NM_001105515.2
UniProt Accession #	O15439; Q8IVZ4; Q8IZN6; Q8NEW8; Q9Y6J2; A9Z1Z7; B7Z3Q7
Molecular Weight	88,138 Da
NCBI Official Full Name	multidrug resistance-associated protein 4 isoform 2
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family C (CFTR/MRP), member 4
NCBI Official Symbol	ABCC4
NCBI Official Synonym Symbols	MRP4; MOATB; MOAT-B
NCBI Protein Information	multidrug resistance-associated protein 4
UniProt Protein Name	Multidrug resistance-associated protein 4
UniProt Gene Name	ABCC4
UniProt Synonym Gene Names	MRP4; MOAT-B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/abcc4-antibody-immunohistochemistry-western-blot-elisa/306425>