10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ABCC4 (aa70-82) Antibody (N-Term, near)

Peptide-affinity purified goat antibody
Catalog # AF3473a

Specification

ABCC4 (aa70-82) Antibody (N-Term, near) - Product Information

Application	**WB**
Primary Accession	O15439
Other Accession	NP_005836.2, NP_001098985.1, 10257
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**149527**

ABCC4 (aa70-82) Antibody (N-Term, near) - Additional Information

Gene ID 10257

Other Names
Multidrug resistance-associated protein 4, ATP-binding cassette sub-family C member 4, MRP/cMOAT-related ABC transporter, Multi-specific organic anion transporter B, MOAT-B, ABCC4, MRP4

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ABCC4 (aa70-82) Antibody (N-Term, near) is for research use only and not for use in diagnostic or therapeutic procedures.

ABCC4 (aa70-82) Antibody (N-Term, near) - Protein Information

Name ABCC4

Synonyms MOATB, MRP4

Function
ATP-dependent transporter of the ATP-binding cassette (ABC) family that actively extrudes physiological compounds and xenobiotics from cells. Transports a range of endogenous molecules that have a key role in cellular communication and signaling, including cyclic nucleotides such as cyclic AMP (cAMP) and cyclic GMP (cGMP), bile acids, steroid conjugates, urate, and prostaglandins

(PubMed:11856762, PubMed:12523936, PubMed:12835412, PubMed:12883481, PubMed:15364914, PubMed:15454390, PubMed:16282361, PubMed:17959747, PubMed:18300232, PubMed:26721430). Mediates the ATP-dependent efflux of glutathione conjugates such as leukotriene C4 (LTC4) and leukotriene B4 (LTB4) too. The presence of GSH is necessary for the ATP-dependent transport of LTB4, whereas GSH is not required for the transport of LTC4 (PubMed:17959747). Mediates the cotransport of bile acids with reduced glutathione (GSH) (PubMed:12523936, PubMed:12883481, PubMed:16282361). Transports a wide range of drugs and their metabolites, including anticancer, antiviral and antibiotics molecules (PubMed:11856762, PubMed:12105214, PubMed:15454390, PubMed:17344354, PubMed:18300232). Confers resistance to anticancer agents such as methotrexate (PubMed:11106685).

Cellular Location
Basolateral cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Note=Its localization to the basolateral or apical membranes is tissue-dependent.

Tissue Location
Widely expressed, with particularly high levels in prostate, but is barely detectable in liver. sinusoidal membrane of hepatocytes

ABCC4 (aa70-82) Antibody (N-Term, near) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ABCC4 (aa70-82) Antibody (N-Term, near) - Images

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AF3473a (0.3 µg/ml) staining of Human Prostate lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ABCC4 (aa70-82) Antibody (N-Term, near) - Background

This antibody is expected to recognize both reported isoforms (NP_005836.2; NP_001098985.1).

ABCC4 (aa70-82) Antibody (N-Term, near) - References

Aryl hydrocarbon receptor and NF-E2-related factor 2 are key regulators of human MRP4 expression. Xu S, Weerachayaphorn J, Cai SY, Soroka CJ, Boyer JL, American journal of physiology. Gastrointestinal and liver physiology 2010 Jul 299 (1): G126-35. PMID: 20395535