

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 LTC4, whereas GSH is not required for the transport of LTB4 (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

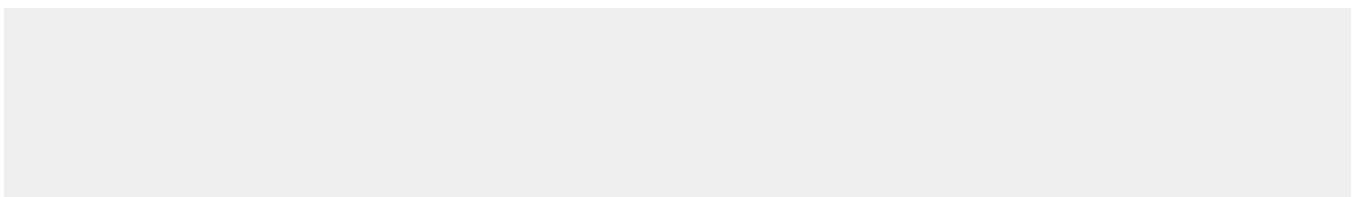
Widely expressed, with particularly high levels in prostate, but is barely detectable in liver. sinusoidal membrane of hepatocytes

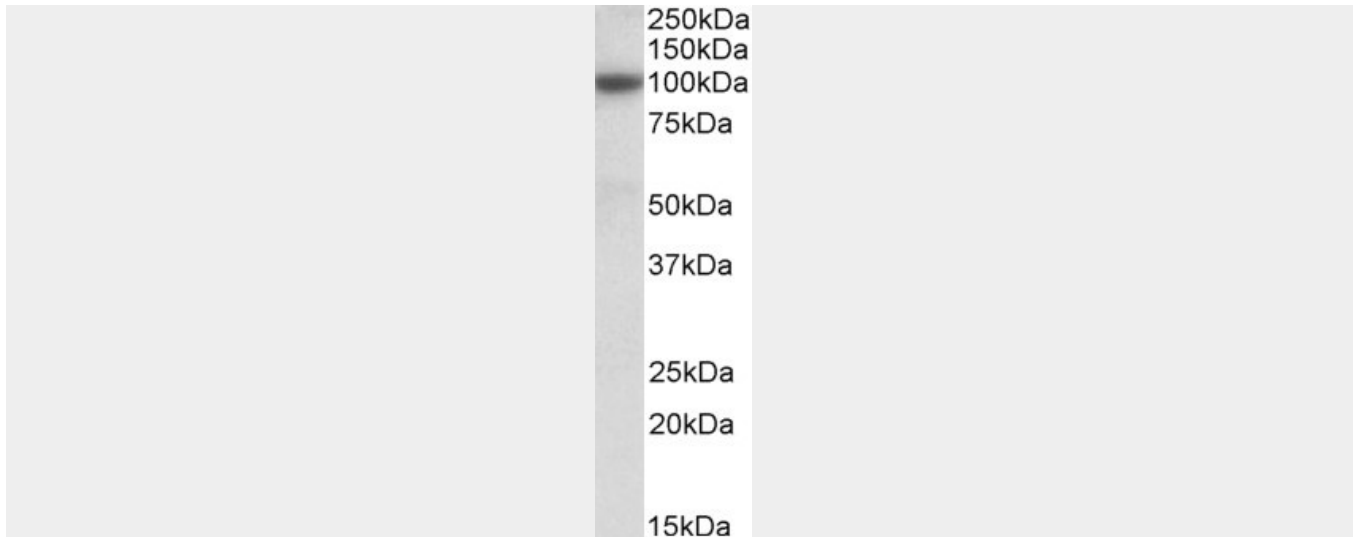
ABCC4 (aa70-82) Antibody (N-Term, near) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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





AF3473a (0.3 $\mu\text{g/ml}$) 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