

Datasheet for ABIN185302

anti-ABCC4 antibody (C-Term)



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Overview

Quantity:	100 µg
Target:	ABCC4
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ABCC4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	ABCC4 / MRP4
Immunogen:	Peptide with sequence CNGQPSTLTIFETAL, from the C Terminus of the protein sequence according to NP_005836.2.
Sequence:	CNGQPSTLTI FETAL
Isotype:	IgG
Specificity:	This antibody is expected to recognize isoform 1 (NP_005836.2) only.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	ABCC4
Alternative Name:	ABCC4 (ABCC4 Products)
Background:	ABCC4, MRP4, MOATB, MOAT-B, EST170205, ATP-binding cassette, sub-family C (CFTR/MRP), member 4, canalicular multispecific organic anion transporter (ABC superfamily), Multidrug Resistance Protein 4, RP11-74A12.1, ATP-binding cassette, sub-family C, member
Molecular Weight:	149kDa
Gene ID:	10257, 170924
NCBI Accession:	NP_005836

Application Details

Application Notes:	Immunohistochemistry: In paraffin embedded Human Prostate shows membranous staining in the secretory cells. Recommended concentration, 4-6 µg/mL. Peptide ELISA: antibody detection limit dilution 1:32000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in:	Gori, Rodriguez, Pellegrini, Achdari, Hornung, Chardonnens, Wunder, Fiche, Canny: "Augmented
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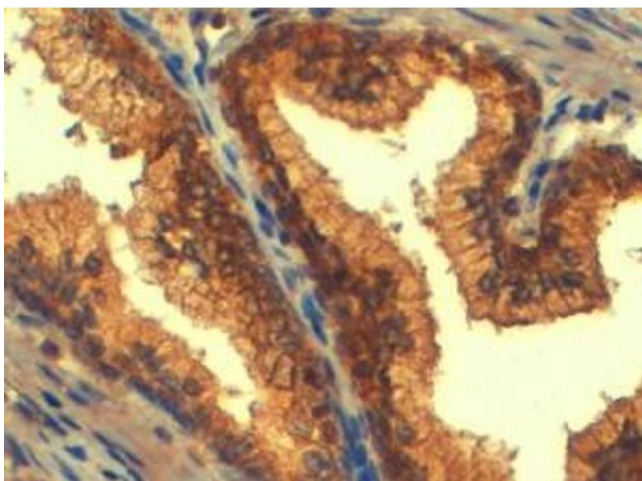
epithelial multidrug resistance-associated protein 4 expression in peritoneal endometriosis: regulation by lipoxin A(4)." in: **Fertility and sterility**, Vol. 99, Issue 7, pp. 1965-73.e2, (2013) ([PubMed](#)).

Montani, Hermanns, Herrmanns, Müntener, Wild, Sulser, Kristiansen: "Multidrug resistance protein 4 (MRP4) expression in prostate cancer is associated with androgen signaling and decreases with tumor progression." in: **Virchows Archiv : an international journal of pathology**, Vol. 462, Issue 4, pp. 437-43, (2013) ([PubMed](#)).

Weerachayaphorn, Mennone, Soroka, Harry, Hagey, Kensler, Boyer: "Nuclear factor-E2-related factor 2 is a major determinant of bile acid homeostasis in the liver and intestine." in: **American journal of physiology. Gastrointestinal and liver physiology**, Vol. 302, Issue 9, pp. G925-36, (2012) ([PubMed](#)).

Xu, Weerachayaphorn, Cai, Soroka, Boyer: "Aryl hydrocarbon receptor and NF-E2-related factor 2 are key regulators of human MRP4 expression." in: **American journal of physiology. Gastrointestinal and liver physiology**, Vol. 299, Issue 1, pp. G126-35, (2010) ([PubMed](#)).

Images



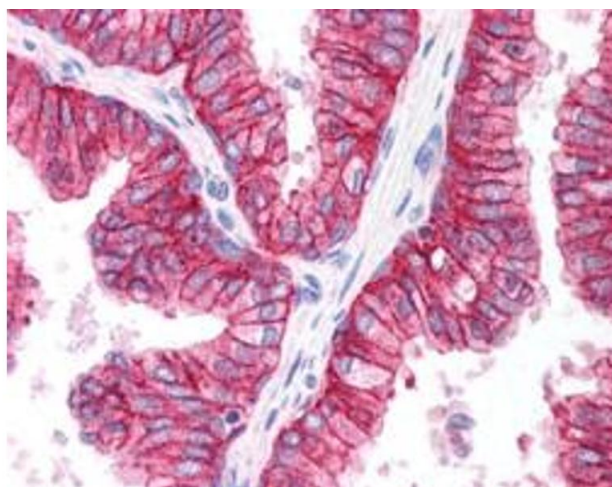
Immunohistochemistry

Image 1. ABIN185302 (4µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.



Western Blotting

Image 2. ABIN185302 staining (0.5µg/ml) of rat renal cortex membranes (20µg total protein per lane). Detected by western blot using chemiluminescence. Data kindly provided by Dr. Antje Steinbach, Ernst-Moritz-Arndt University of Greifswald.



Immunohistochemistry

Image 3. ABIN185302 (2.5µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN185302.