Product datasheet

Anti-MRP3/ABCC3 Antibody

Catalog Number: *A02429-1*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-MRP3/ABCC3 Antibody
Gene Name	ABCC3
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human MRP3/ABCC3 recombinant protein (Position: F214-A275).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	200 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Canalicular multispecific organic anion transporter 2 is a protein that in humans is encoded by the ABCC3 gene. 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. The specific function of this protein has not yet been determined; however, this protein may play a role in the transport of biliary and intestinal excretion of organic anions. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.

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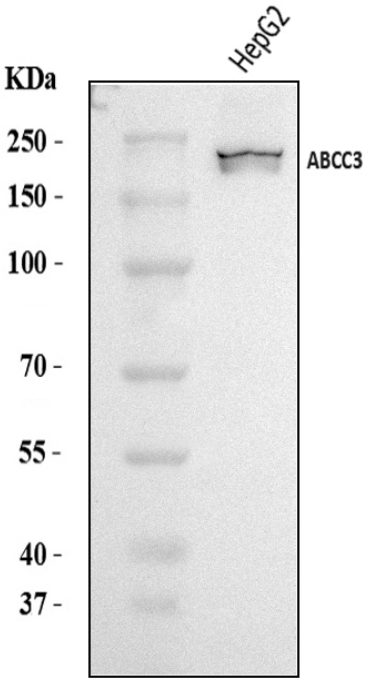
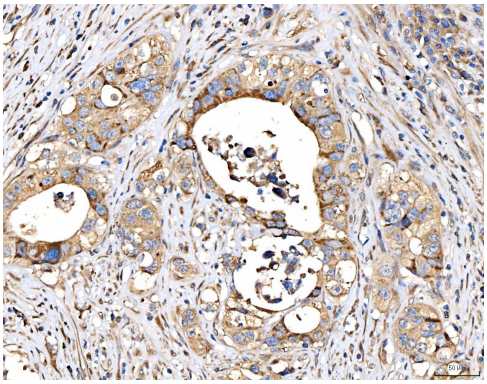
Reference

Anti-MRP3/ABCC3 Antibody被引用在2文献中。

Selected Validation Data



Western blot analysis of MRP3/ABCC3 using anti-MRP3/ABCC3 antibody (A02429-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: HepG2 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-MRP3/ABCC3 antigen affinity purified polyclonal antibody (A02429-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for MRP3/ABCC3 at approximately 200 kDa. The expected band size for MRP3/ABCC3 is at 169 kDa.



IHC analysis of MRP3/ABCC3 using anti-MRP3/ABCC3 antibody (A02429-1). MRP3/ABCC3 was detected in a paraffin-embedded section of human appendiceal adenocarcinoma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-MRP3/ABCC3 Antibody (A02429-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.