

## Basic Information

Product Name	Anti-MRP3/ABCC3 Antibody	
Gene Name	ABCC3	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, FCM, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E. coli-derived human ABCC3 recombinant protein (Position: H22-G1351). Human ABCC3 shares 79.2% and 76.4% amino acid (aa) sequence identity with mouse and rat ABCC3, respectively.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	200 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Flow Cytometry (Fixed):	1:50-200
	Enzyme linked immunosorbent assay (ELISA):	1:100-1000

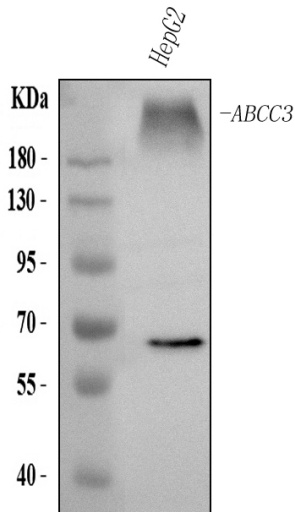
## Storage

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

## Background Information

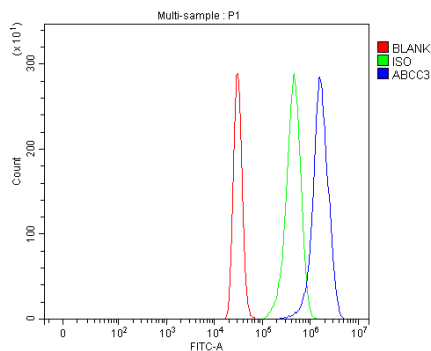
Canalicular multispecific organic anion transporter 2 is a protein that in humans is encoded by the ABCC3 gene. The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. 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.

## Selected Validation Data



Western blot analysis of anti-ABCC3 antibody (A02429-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ABCC3 antigen affinity purified polyclonal antibody (A02429-2) 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 ABCC3 at approximately 200 kDa. The expected band size for ABCC3 is at 200 kDa.



Flow Cytometry analysis of HepG2 cells using anti-ABCC3 antibody (A02429-2).

Overlay histogram showing HepG2 cells stained with A02429-2 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-ABCC3 Antibody (A02429-2, 1:100). DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 1:100) was used as secondary antibody. Isotype control antibody (Green line) was rabbit IgG (Catalog # BA1045) (1:100) used under the same conditions. Unlabelled sample (Red line) was also used as a control.