

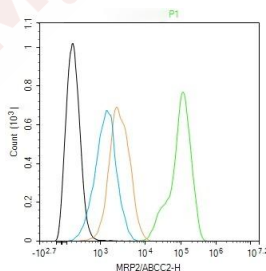
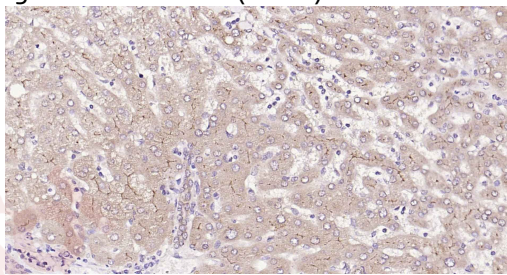
Anti-MRP2/ABCC2 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human
Molecular Weight: Theoretical: 174 kDa.
Purification: Protein A purified

Applications

Verified Activity: 1. Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MRP2/ABCC2 Polyclonal Antibody, Unconjugated (TMAB-01169) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
2. The A549 (H) cells were fixed with 4% PFA (10 min at room temperature). Primary Antibody (green): Rabbit Anti-MRP2/ABCC2 antibody (TMAB-01169): 1 µg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC: 1 µg/test. Isotype Control (orange): Rabbit IgG. Blank control (black): PBS.



Application: FCM,IF,IHC-Fr,IHC-P
Recommended IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1ug/Test

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human MRP2
Antigen Species:	Human
Gene ID:	1244
Uniprot ID:	Q92887
Synonyms:	multidrug resistance-associated protein2;ATP-binding cassette sub-family C member 2; Canalicular multidrug resistance protein;Multidrug resistance associated protein 2;cMRP; CMOAT;ATP binding cassette subfamily C member 2;MRP 2;KIAA1010;Canalicular multispecific organic anion transporter 1;CMOAT1;ABCC2;ATP binding cassette sub family C(CFTR/MRP) member 2;ABC30;DJS;MRP2
Biology Area:	MRP-related proteins,Channels

Research Background

multidrug resistance-associated protein 2 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. This protein is expressed in the canalicular (apical) part of the hepatocyte and functions in biliary transport. Substrates include anticancer drugs such as vinblastine; therefore, this protein appears to contribute to drug resistance in mammalian cells. Several different mutations in this gene have been observed in patients with Dubin-Johnson syndrome (DJS), an autosomal recessive disorder characterized by conjugated hyperbilirubinemia. Belongs to the ABC transporter family.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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