

ARG42963 anti-MRP2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MRP2
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MRP2
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human MRP2. (AIRHDCNFDKAMQFSEASFTWEHDSEATVRDVNLD)
Conjugation	Un-conjugated
Alternate Names	DJS; ATP-binding cassette sub-family C member 2; CMOAT; ABC30; cMRP; Canalicular multidrug resistance protein; MRP2; Canalicular multispecific organic anion transporter 1; Multidrug resistance-associated protein 2

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 210 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

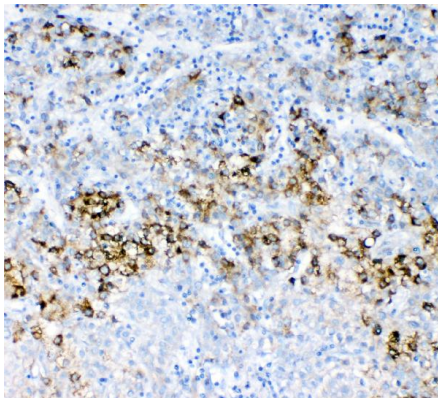
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

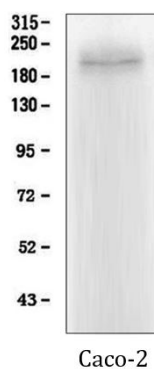
Gene Symbol	ABCC2
Gene Full Name	ATP-binding cassette, sub-family C (CFTR/MRP), member 2
Background	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes 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. 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. [provided by RefSeq, Jul 2008]
Function	Mediates hepatobiliary excretion of numerous organic anions and conjugated organic anions such as methotrexate, 17beta-estradiol 17-glucosiduronic acid and leukotriene C4 (PubMed:11500505). Also transports sulfated bile salt such as tauroolithocholate sulfate (PubMed:16332456). May function as a cellular cisplatin transporter. [UniProt]
Calculated Mw	174 kDa
Cellular Localization	Apical cell membrane; Multi-pass membrane protein. [UniProt]

Images



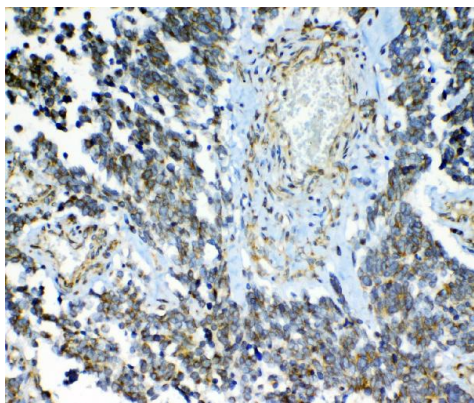
ARG42963 anti-MRP2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42963 anti-MRP2 antibody at 1 µg/ml dilution, overnight at 4°C.



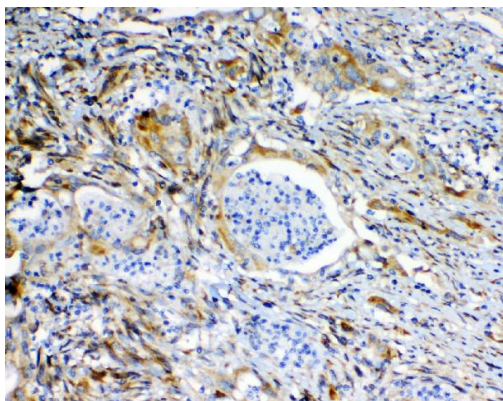
ARG42963 anti-MRP2 antibody WB image

Western blot: 50 µg of sample under reducing conditions. Caco-2 whole cell lysate stained with ARG42963 anti-MRP2 antibody at 0.5 µg/ml dilution, overnight at 4°C.



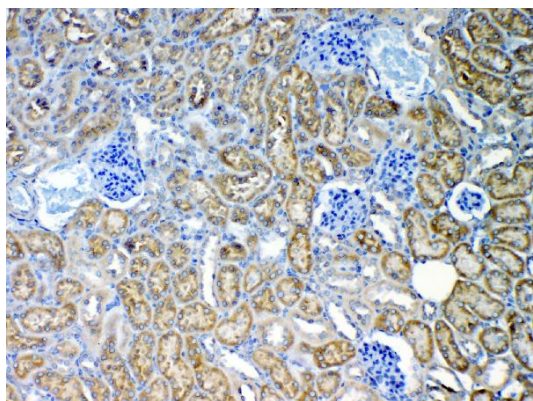
ARG42963 anti-MRP2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42963 anti-MRP2 antibody at 1 µg/ml dilution, overnight at 4°C.



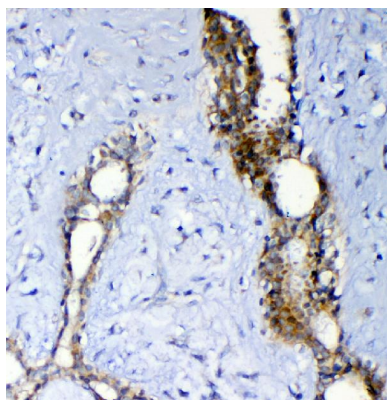
ARG42963 anti-MRP2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human rectal cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42963 anti-MRP2 antibody at 1 µg/ml dilution, overnight at 4°C.



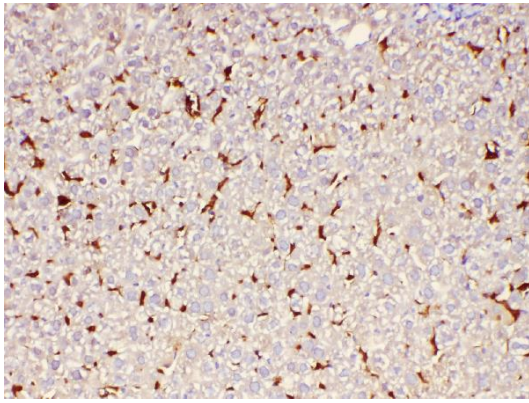
ARG42963 anti-MRP2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse kidney tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42963 anti-MRP2 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG42963 anti-MRP2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42963 anti-MRP2 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG42963 anti-MRP2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse liver tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42963 anti-MRP2 antibody at 1 µg/ml dilution, overnight at 4°C.