MRP2/ABCC2 (D9F9E) Rabbit mAb

100 μl (10 western blots)

#12559 Store at -20°

New 05/13

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Species Cross-Reactivity*	Molecular Wt.	lsotype	
W, IP	H	>200 kDA	Rabbit IgG**	
Endogenous				

Background: Multi-drug resistance protein 2 (MRP2), also known as cMRP, cMOAT, and ABCC2, is an ATP binding cassette (ABC) transporter and part of the multidrug resistance (MRP) family (1,2). The MRP proteins are membrane proteins that function as organic anion pumps involved in the cellular removal of cancer drugs (2). MRP2 is associated with resistance to a number of cancer drugs, such as cisplatin, etoposide, doxorubicin, and methotrexate (3-5). MRP2 is predominately expressed on the apical membranes in the liver (6-9) and kidney proximal tubules (10). It is responsible for the ATP-dependent secretion of bilirubin glucuronides and other organic anions from hepatocytes into the bile, a process important for the excretion of endogenous and xenobiotic substances. Loss of MRP2 activity is the cause of Dubin-Johnson syndrome, an autosomal recessive disorder characterized by defects in the secretion of anionic conjugates and the presence of melanin like pigments in hepatocytes (11-13).



Western blot analysis of extracts from Hep G2 and A-204 cells using MRP2/ABCC2 (D9F9E) Rabbit mAb.

Specificity/Sensitivity: MRP2/ABCC2 (D9F9E) Rabbit mAb recognizes endogenous levels of total MRP2 protein.

Source/Purification: Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg864 of human MRP2 protein.

 Immunoprecipitation of MRP2 from Hep G2 cell extracts, using Normal Rabbit IgG #2729 (lane 2) or MRP2/ABCC2 (D9F9E) Rabbit mAb (lane 3). Lane 1 is 10% input. Western blot analysis was performed using MRP2/ABCC2 (D9F9E) Rabbit mAb.

IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS,

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Entrez-Gene ID #1244 Swiss-Prot Acc. #Q92887

Storage: Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

*Species cross-reactivity is determined by western blot.

**Anti-rabbit secondary antibodies must be used to detect this antibody.

Recommended Antibody Dilutions:	
Western blotting	

Western blotting	1:1000		
Immunoprecipitation	1:50		

For product specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended complementary products.

Background References:

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0.1% Tween-20 at 4°C with gentle shaking, overnight.

IF-Immunofluorescence Applications Kev: W-Western IP-Immunoprecipitation IHC-Immunohistochemistry ChIP—Chromatin Immunoprecipitation F-Flow cytometry E-P-ELISA-Peptide Species Cross-Reactivity Kev: H—human M—mouse R—rat Hm—hamster Mk-monkev Mi—mink C—chicken Dm—D, melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—horse All-all species expected Species enclosed in parentheses are predicted to react based on 100% homology.