1/1/24, 11:43 AM Revision 1

MRP4/ABCC4 mAb 00000000000000000000000000000000000	(D2Q2O) Rabbi		3 Trask I	Orders: Support: Web:	BIT Signaling CHNOLOGY® 877-616-CELL (2355) orders@cellsignal.com 877-678-TECH (8324) info@cellsignal.com cellsignal.com ssachusetts   01923   USA
Applications: React WB, IP, IF-F, IF-IC H M	vity: Sensitivity:	<b>MW (kDa):</b> 140-200	Source/Isotype: Rabbit IgG	UniProt ID: #O15439	Entrez-Gene Id: 10257
		140-200		#010409	10731
Product Usage Information	Application Western Blotting Immunoprecipitation Immunofluorescence (I Immunofluorescence (I	,	nistry)		<b>Dilution</b> 1:1000 1:50 1:200 1:200
Storage	Supplied in 10 mM sodi 0.02% sodium azide. St				ycerol and less than
Specificity / Sensitivity	MRP4/ABCC4 (D2Q2O)	) Rabbit mAb rec	ognizes endogenous le	evels of total ABCC4	protein.
Source / Purification	Monoclonal antibody is residues surrounding Al			synthetic peptide co	rresponding to
Background	ABCC4 is a member of molecules across cellula seven subfamilies of AB belongs to the MRP sub ABCC4 is widely express endothelial cells of the b of a wide variety of endo determines the biologica controlling the proliferati pancreatic cancer cells expression is elevated in (8,9). ABCC4 localizes t Investigators have also disorder characterized b	ar membranes by C proteins: ABC: Mamily, which is in sed in tissues incorr orain, platelets, and ogenous and xen al functions of AB ion and differentia to obtain exogen in drug resistant co o both plasma m implicated ABCC	r utilizing the energy ge 1, MDR/TAP, MRP, ALD nvolved in multi-drug re cluding prostate, kidney nd many cancer cell lin obiotic organic anionic CC4. It regulates cAMF ation of leukemia cells ous prostaglandins (7). cancer cells, which mak embrane and intracellu 4 in the pathogenesis of	nerated from ATP hy o, OABP, GCN20, an esistance, hence it is / proximal tubules, a es (2-4). ABCC4 me compounds (5). The P levels in human leu (6). ABCC4 also ena Research studies ha es it a potential targa lar membranous stru	rdrolysis. There are d White (1). ABCC4 also named MRP4. strocytes and capillary diates efflux transport diversity of substrates ukemia cells, thereby bles COX deficient ave shown that ABCC4 et for cancer therapy uctures (10).
Background References	<ol> <li>Nakanishi, T. <i>Cancer</i></li> <li>Kool, M. et al. (1997)</li> <li>Lee, K. et al. (1998) C</li> <li>Nies, A.T. et al. (2004)</li> <li>Giacomini, K.M. et al.</li> <li>Copsel, S. et al. (2011)</li> <li>Omura, N. et al. (2011)</li> <li>Bronger, H. et al. (2009)</li> <li>Hagmann, W. et al. (2009)</li> <li>Rius, M. et al. (2008)</li> <li>Khor, C.C. et al. (2011)</li> </ol>	Cancer Res 57, . Cancer Res 58, 2 ) Neuroscience 1 (2010) Nat Rev 1) J Biol Chem 20 0) Mol Cancer Re 05) Cancer Res 6 2009) Pancreatolo J Pharmacol Exp	3537-47. 741-7. .29, 349-60. <i>Drug Discov</i> 9, 215-36. 86, 6979-88. 85 8, 821-32. 35, 11419-28. 99y 9, 136-44. 9 Ther 324, 86-94.		
Species Reactivity	Species reactivity is dete	rmined by testing	) in at least one approv	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.			
Applications Key	WB: Western Blotting IF IF-IC: Immunofluoresce			prescence (Frozen)	

1/1/24, 11:43 AM Cross-Reactivity Key	<ul> <li>MRP4/ABCC4 (D2Q2O) Rabbit mAb (#12705) Datasheet Without Images Cell Signaling Technology</li> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>
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