Revision 1		
ABCC4 Antibody		Signaling NOLOGY*
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For Research L	Jse Only.	Not for Use	in Diagnostic	Procedures.
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Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 140-200	Source/Isotype: Rabbit	UniProt ID: #O15439	Entrez-Gene 1 10257		
Product Usage Information		Application Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliguot the antibody.						
Specificity/Sensitivity		ABCC4 Antibody recognizes endogenous levels of total ABCC4 protein.						
Source / Purifica	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys1021 of human ABCC4 protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background		ABCC4 is a member o various molecules acr There are seven subfa ABCC4 belongs to the MRP4. ABCC4 is widel capillary endothelial o transport of a wide va of substrates determi cells, thereby controll COX deficient pancrea shown that ABCC4 ex target for cancer ther membranous structul Kawasaki disease, a c	f the ATP-binding C. ross cellular membr amilies of ABC prote MRP subfamily, wh y expressed in tissu cells of the brain, pla ariety of endogenou nes the biological fu ing the proliferatior atic cancer cells to o pression is elevated apy (8,9). ABCC4 loc res (10). Investigato hildhood genetic dii	assette (ABC) transporte anes by utilizing the ene ins: ABC1, MDR/TAP, MF ich is involved in multi- es including prostate, k atelets, and many cance is and xenobiotic organi unctions of ABCC4. It reg and differentiation of 1 btain exogenous prosta in drug resistant cance alizes to both plasma m rs have also implicated a sorder characterized by	er family. ABC prote ergy generated fron RP, ALD, OABP, GCN2 drug resistance, her idney proximal tubu r cell lines (2-4). ABC c anionic compoun- gulates cAMP levels eukemia cells (6). Al glandins (7). Reseai r cells, which makes iembrane and intra- ABCC4 in the patho vasculitis (11).	ins transport n ATP hydrolysis. 20, and White (1). nce it is also name iles, astrocytes an CC4 mediates efflu ds (5). The diversit in human leuker BCC4 also enables rch studies have s it a potential cellular genesis of		
Background Re	ferences	 Nakanishi, T. <i>Cance</i> Kool, M. et al. (1997) Lee, K. et al. (1998) Nies, A.T. et al. (200) Giacomini, K.M. et al. (200) Gopsel, S. et al. (200) Omura, N. et al. (200) Bronger, H. et al. (200) Hagmann, W. et al. Rius, M. et al. (200) Khor, C.C. et al. (200) 	er Genomics Proteou 7) Cancer Res 57, 35 Cancer Res 58, 274 4) Neuroscience 12 al. (2010) Nat Rev D 11) J Biol Chem 286, 110) Mol Cancer Res 005) Cancer Res 65, (2009) Pancreatolo 18) J Pharmacol Exp 111) J Med Genet 48	mics 4, 241-54. 37-47. 1-7. 9, 349-60. <i>rug Discov</i> 9, 215-36. 6979-88. 8, 821-32. 11419-28. gy 9, 136-44. Ther 324, 86-94. , 467-72.				
Species Reactiv	ity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
່ Western Blot Bເ	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20	tern blots, incubate at 4°C with gentle s	pate membrane with diluted primary antibody in 5% w/v BSA, 1X ntle shaking, overnight.				
Applications Ke	у	W: Western Blotting						
Cross-Reactivity	y Key	H: Human						
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Limited Uses		Except as otherwise e	xpressly agreed in a	a writing signed by a leg	ally authorized rep	resentative of CST		

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