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MRP1/ABCC1 Antibody

Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 170-220	Source/Isotype: Rabbit	UniProt ID: #P33527	Entrez-Gene Id: 4363
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. <i>Do not aliquot the antibody</i> .				
Specificity/Sensitivity		MRP1/ABCC Antibody recognizes endogenous levels of total MRP1 protein. This antibody does not cross-react with other MRP proteins.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln271 of human MRP1 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		Multidrug resistance-associated protein 1 (MRP1/ABCC1) is a member of the MRP subfamily of ATP- binding cassette (ABC) transporters (1). MRP1/ABCC1 protein functions as an organic anion transporter. It has a broad range of substrates, including antineoplastic or therapeutic agents and the glutathione (GSH) conjugates of these compounds. MRP1/ABCC1 also transports physiological substrates such as folates, GSH and GSH disulfide (GSSG) conjugates of steroids, leukotrienes, and prostaglandins (2,3).				
		found in a variety of so (1,4,5). Research studie therapeutic agents fror also show that elevated	lid tumors, includi s show that overe: n cancer cells and d expression of MF cer, as the level of	ssed in normal tissue, u ng small cell lung cance xpression of MRP1/ABCC confers drug resistance P1/ABCC1 is a negative MRP1/ABCC1 is predictiv ts (6-10).	r, breast cancer, and C1 facilitates the elin in those patients. I prognostic marker	d prostate cancer mination of Research studies for breast cancer
Background Re	eferences	1. Cole, S.P. et al. (1992) 2. Pajic, M. et al. (2005) 3. Deeley, R.G. and Cole 4. Atalay, C. et al. (2006 5. Sánchez, C. et al. (200 6. Nooter, K. et al. (1997 7. Hsia, T.C. et al. (2002) 8. Kuo, T.H. et al. (2003) 9. Sánchez, C. et al. (201 10. Vulsteke, C. et al. (2	<i>Cancer Lett</i> 228, 2 e, S.P. (2006) <i>FEBS</i>) <i>Tumour Biol</i> 27, 3 11) <i>Prostate</i> 71, 18 7) <i>Br J Cancer</i> 76, 4) <i>Lung</i> 180, 173-9.) <i>Nucl Med Biol</i> 30 09) <i>Prostate</i> 69, 14	41-6. Lett 580, 1103-11. 309-18. 10-7. 86-93. . 627-32. 48-59.		
Species Reactiv	vitv	Species reactivity is det	ermined by testing	n in at least one annrove	ad application (e.g.	western blot)
		Species reactivity is determined by testing in at least one approved 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		W: Western Blotting IP: Immunoprecipitation				
Cross-Reactivity Key		H: Human				
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