mAb

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Cell Signaling MDR1/ABCB1 (D3H1Q) Rabbit

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Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 130-180	Source/Isotype: Rabbit IgG	UniProt ID: #P08183	Entrez-Gene Id: 5243
Product Usage Information	We	plication stern Blotting nunoprecipitation			Dilution 1:1000 1:50	
Storage		•		7.5), 150 mM NaCl, 100 not aliquot the antibody		erol and less than
Specificity / Sensiti	vity MDF	MDR1/ABCB1 (D3H1Q) Rabbit mAb recognizes endogenous levels of total MDR1 protein.				
Species predicted t react based on 100 sequence homolog	%	key				
Source / Purificatio		loclonal antibody is p dues near the carbox	-	nunizing animals with a s Iman MDR1 protein.	synthetic peptide corre	sponding to
Background	Mult spec doxo phos accu expr plac MDF (7). asso	idrug resistance 1 (N cificity. MDR1 substri- brubicin, as well as e spholipids, cholester umulation in cancer of ressed in the plasma enta barriers restrict R1 is also expressed Intracellular MDR1 h pociated with cell traffi	MDR1) serves as ates include ther indogenous mole ol, and cytokines cells, allowing the membrane of co s the permeabilit in normal tissue tas been detected cking machinery	ubfamily of the ATP-bind s an efflux pump for xem- rapeutic agents such as ecules including β-amylo s (2). Research studies l e development of drug r ells in the blood-brain, b ty of drugs into these or es with excretory functio d in the ER, vesicles, an r (8). Other reported fun- costasis in the periphera	obiotic compounds with actinomycin D, etopos bids, steroid hormones have shown that MDR: esistance (3-5). On the lood-cerebral spinal flu gans from the apical of n such as small intestin and nuclear envelope, a ctions of MDR1 include	h broad substrate side, imatinib, and , lipids, 1 reduces drug e other hand, MDR1 sid, or blood- r serosal side (6,7). ne, liver, and kidney nd has been e viral resistance,
Background Refere	2. Li 3. C 4. Ka 5. C 6. Bi 7. Fi 8. M 9. Ai 10. R 11. M 12. Ka	hen, C.J. et al. (1986 artner, N. et al. (1983 hen, G. et al. (1997) rinkmann, U. and Eic romm, M.F. (2004) iller, D.S. et al. (2004)) Biochim Biophy 5) Cell 47, 381-9 3) Cancer Res 4 J Biol Chem 27 chelbaum, M. (20 rends Pharmacol Re (1999) Annu Rev FASEB J 14, 51 03) J Endocrinol 2002) J Endocrinol	 xs Acta 1361, 169-76. 3, 4413-9. 2, 5974-82. 201) Pharmacogenomic. I Sci 25, 423-9. xv 60, 196-209. y Pharmacol Toxicol 39, 1-5. 178, 13-8. ol 175, 251-60. 		
Species Reactivity	Spec	ies reactivity is deter	rmined by testing	g in at least one approve	ed application (e.g., we	stern blot).
Western Blot Buffer		DRTANT: For western Tween® 20 at 4°C v		membrane with diluted ng, overnight.	primary antibody in 5%	6 w/v BSA, 1X TBS,

1/1/24, 7:49 AM Applications Key	MDR1/ABCB1 (D3H1Q) Rabbit mAb (#12683) Datasheet Without Images Cell Signaling Technology WB: Western Blotting IP: Immunoprecipitation			
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus 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 GP: Guinea Pig Rab: rabbit All: all species expected			
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