3/23/24, 10:41 AM Revision 1

23/24, 10:41 AM Revision 1	ATP2A1/SE	RCAI (D54G12)	Raddit MAD (#	12293) Datasheet v	vithout images C	ell Signaling lechnology	
#12293 Store at -200 mAb	RCA1 (I	A1 (D54G12) Rabbit				Cell Signaling	
Store				Orders:	877-616-CELL (2355) orders@cellsignal.com		
6					Support:	877-678-TECH (8324)	
122					Web:	info@cellsignal.com cellsignal.com	
	t fau llas in	Dia una atia Dua d		3 Trask L	ane Danvers Ma	ssachusetts 01923 USA	
For Research Use Only. No Applications: F WB	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 100	Source/Isotype: Rabbit IgG	UniProt ID: #O14983	Entrez-Gene Id: 487	
Product Usage	Ар	plication			Dilution		
Information	-	estern Blotting			1:1000		
Storage				7.5), 150 mM NaCl, 100 o not aliquot the antibody		ycerol and less than	
Specificity / Sensitiv	ty ATP	2A1/SERCA1 (D54	4G12) Rabbit mAl	o recognizes endogenou	us levels of total ATF	2A1/SERCA1 protein.	
Species predicted to react based on 100% sequence homology							
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro995 of human ATP2A1/SERCA1 protein.					
Background	fam end twite mut	ily of Ca2+ pumps oplasmic reticulum ch, skeletal muscle ations in the ATP2/	(1). SERCA pump lumen against a l sarcoplasmic reti A1 gene cause an	n Ca2+ ATPases (SERC is transport Ca2+ from t arge concentration grac culum Ca2+ ATPase (2) autosomal recessive m ing and impaired muscle	he cytosol to the sa lient (1). ATP2A1 (S). Research studies juscle disorder know	rcoplasmic and ERCA1) is a fast- have shown that /n as Brody myopathy,	
Background Referen	ces 1. H 2. O	1. Hovnanian, A. (2007) <i>Subcell Biochem</i> 45, 337-63. 2. Odermatt, A. et al. (1996) <i>Nat Genet</i> 14, 191-4. 3. Odermatt, A. et al. (2000) <i>Hum Genet</i> 106, 482-91.					
Species Reactivity	Spec	ies reactivity is det	termined by testing	g 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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Key	WB	: Western Blotting					
Cross-Reactivity Key	X: Xe	 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 					
Trademarks and Patents	All of	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.					
Limited Uses	follow cond	ving terms apply to itions that are in ac	Products provide	a writing signed by a leg d by CST, its affiliates o ent from, those containe	r its distributors. Any d herein, unless se	/ Customer's terms and parately accepted in	

writing by a legally authorized representative of CST, are rejected and are of no force or effect.

ATP2A1/SERCA1 (D54G12) Rabbit mAb (#12293) Datasheet Without Images Cell Signaling Technology

end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.