Cell Signaling
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For Research	Use Only.	Not for Use	in Diagnostic	Procedures.

Applications: W	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 100	Source/Isotype: Rabbit IgG	UniProt ID: #O14983	Entrez-Gene Id 487	
Product Usage Information	•	Application Western Blotting			Dilution 1:1000		
Storage				5), 150 mM NaCl, 100 μg/ lot aliquot the antibody.	/ml BSA, 50% glyce	ol and less than	
Specificity/Sen	sitivity	ATP2A1/SERCA1 (D54G12) Rabbit mAb recognizes endogenous levels of total ATP2A1/SERCA1 protein.					
Species predic based on 100% homology		Rat					
Source / Purifi	cation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro995 of human ATP2A1/SERCA1 protein.					
Background		family of Ca ²⁺ pumps endoplasmic reticulur twitch, skeletal muscle mutations in the ATP2	(1). SERCA pumps t n lumen against a l e sarcoplasmic retio A1 gene cause an a	n Ca ²⁺ ATPases (SERCA) an ransport Ca ²⁺ from the c arge concentration grad culum Ca ²⁺ ATPase (2). Re autosomal recessive mus scle cramping and impain	ytosol to the sarco ient (1). ATP2A1 (SE esearch studies hav scle disorder knowr	olasmic and RCA1) is a fast- re shown that n as Brody	
Background Ro	eferences	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 Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot E	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 K	ey	W: Western Blotting					
Cross-Reactivi	ty Key	H: Human M: Mouse					
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