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Calreticulin Antibody		Cell Signaling	
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com	
01	Support:	877-678-TECH (8324)	
#2891	Web:	info@cellsignal.com cellsignal.com	
#	3 Trask Lane Danvers M	assachusetts 01923 USA	

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

Applications: WB	Reactivity: H M R Mk		MW (kDa): 55	Source: Rabbit	UniProt ID: #P27797	Entrez-Gene Id: 811		
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 aliquot the antibody.						
Specificity / Sensi	tivity	Calreticulin Antibody detects endogenous levels of total calreticulin protein.						
Species predicted react based on 10 sequence homolo	0%	Pig						
Source / Purificati		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide surrounding GIn65 of human calreticulin. Antibodies are purified by peptide affinity chromatography.						
Background Background Refer	rences	Calcium is a universal sigmetabolism, protein mod reticulum (ER), where it i released via the IP ₃ Rec proper folding and qualit does not alter protein fol Furthermore, calreticulin degradation (2,3). 1. Groenendyk, J. et al. (2 2. Nauseef, W.M. et al. (2 3. Williams, D.B. (2006).	ification, protein for is buffered by calc eptor channel (1). y control of newly ding but regulates retains proteins in 2004) <i>Mol Cells</i> 1 ⁻ 1995) <i>J Biol Chem</i>	olding, and apoptosis ium binding chapero Calreticulin also fun synthesized glycopri proper timing for eff non-native conform 7, 383-9. 270, 4741-7.	s. Calcium is stored in th ones such as calnexin an ctions as an ER chaperc oteins. As such, calreticu icient folding and subuni	e endoplasmic d calreticulin, and is ne that ensures lin presumably t assembly.		
Species Reactivity	y s	Species reactivity is deter	mined by testing in	n at least one appro	ved application (e.g., we	stern blot).		
Western Blot Buff		MPORTANT: For westerr 0.1% Tween® 20 at 4°C v		pate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, haking, overnight.				
Applications Key	١	WB: Western Blotting						
Cross-Reactivity F	x	(: Xenopus Z: zebrafish I	uman M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster (enopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse Guinea Pig Rab: rabbit All: all species expected					
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Calreticulin Antibody (#2891) Datasheet Without Images Cell Signaling Technology

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