Revision 1	
Cofilin Antibody	
Store	Orders: 877-616-CELL (2355) orders@cellsignal.com
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#3312	Web: info@cellsignal.com cellsignal.com
#	3 Trask Lane Danvers Massachusetts 01923 USA

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

Applications: W	Reactivity: H M R Hm Mk B	Sensitivity: Endogenous	MW (kDa): 19	Source/Isotype: Rabbit	UniProt ID: #P23528	Entrez-Gene Id 1072	
Product Usage Information	e	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/Se	nsitivity	Cofilin Antibody detects endogenous levels of total cofilin protein. The antibody may also recognize cofilin 2, the muscle isoform.					
Species predic based on 1009 homology		Pig					
Source / Purif	ication	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser3 of human cofilin. Antibodies are purified by protein A.					
Background		actin-binding protein stress response, and of actin filaments by s	s that play pivotal ro tissue regeneration severing preexisting orylation at Ser3 of	(ADF) are members of a les in cytokinesis, endo (1). In response to stimu filaments (2). The sever cofilin (3-5). Phosphoryl oplasm (6).	cytosis, embryonic o uli, cofilin promotes ing activity of cofilir	development, the regeneration n is inhibited by	
Background R	References	1. Carlier, M.F. et al. (1999) <i>J Biol Chem</i> 274, 33827-30. 2. Condeelis, J. (2001) <i>Trends Cell Biol</i> 11, 288-93. 3. Arber, S. et al. (1998) <i>Nature</i> 393, 805-9. 4. Yang, N. et al. (1998) <i>Nature</i> 393, 809-12. 5. Toshima, J. et al. (2001) <i>J Biol Chem</i> 276, 31449-58. 6. Nebl, G. et al. (1996) <i>J Biol Chem</i> 271, 26276-80.					
Species React	ivity	Species reactivity is d	etermined by testin	g in at least one approve	ed 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 k	Key	W: Western Blotting					
Cross-Reactiv	ity Key	H: Human M: Mouse	R: Rat Hm: Hamster	Mk: Monkey B: Bovine			
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