Cofilin (D3F9) XP[®] Rabbit mAb





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Applications: W, W-S, IF-IC	Reactivity: H M R Mk Dg	Sensitivity: Endogenous	MW (kDa): 19	Source/Isotype: Rabbit IgG	UniProt ID: #P23528	Entrez-Gene Id: 1072		
Product Usage Information		Application Western Blotting Simple Western™ Immunofluorescence	e (Immunocytochem	Dilution 1:1000 1:10 - 1:50 1:200 - 1:800				
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity/Se	nsitivity	Cofilin (D3F9) XP [®] Rabbit mAb detects endogenous levels of total cofilin1 protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to central residues of human cofilin1 protein.						
BackgroundCofilin and actin-depolymerization factor (ADF) are members of a family of actin-binding proteins that play pivotal roles in cytokinesis, endocytosis, e stress response, and tissue regeneration (1). In response to stimuli, cofilir of actin filaments by severing preexisting filaments (2). The severing activ LIMK or TESK phosphorylation at Ser3 of cofilin (3-5). Phosphorylation at S translocation from the nucleus to the cytoplasm (6).					cytosis, embryonic uli, cofilin promotes ing activity of cofili	development, the regeneration n is inhibited by		
Background F	References	1. Carlier, M.F. et al. (1 2. Condeelis, J. (2001) 3. Arber, S. et al. (1998 4. Yang, N. et al. (1998 5. Toshima, J. et al. (20 6. Nebl, G. et al. (1996	<i>Trends Cell Biol</i> 11, 3) <i>Nature</i> 393, 805-9 8) <i>Nature</i> 393, 809-1 001) <i>J Biol Chem</i> 276	288-93. 2. 5, 31449-58.				
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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key		W: Western Blotting W-S: Simple Western™ IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactiv	Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey Dg: Dog							
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