Revision 1			
Phospho-Talin (Ser425) (D2P2M) Rabbit mAb	C C	<b>Cell Signaling</b> TECHNOLOGY®	
	Orders:	877-616-CELL (2355) orders@cellsignal.com	
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#	3 Trask Lane   Danvers   Mas	sachusetts   01923   USA	
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Applications: W, IP	<b>Reactivity:</b> H M R Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 270	Source/Isotype: Rabbit IgG	UniProt ID: #Q9Y490	Entrez-Gene Id 7094		
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50			
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 aliguot the antibody.						
Specificity/Sensitivity		Phospho-Talin (Ser425) (D2P2M) Rabbit mAb recognizes endogenous levels of talin protein only when phosphorylated at Ser425. Based on sequence homology, this antibody is expected to recognize both talin-1 and talin-2 proteins phosphorylated at Ser425.						
Source / Purific	ation			nunizing animals with a Ser425 of human talin pr		peptide		
Background		secreted macromolect extracellular side of fo turn signal to the actir also converge on foca adhesions regulates cc impacts cellular proce metastasis, and angio interacts with the intra in the formation of foc	ules that surrounds cal adhesions sign n cytoskeleton to re l adhesions to regu ell adhesion, migra sses such as develo genesis (reviewed acellular domains c cal adhesions and i alin and integrins in	n with the extracellular r s mammalian organs an al from the ECM to intra egulate the tension need ilate integrin affinity and tion, proliferation, apop opment, wound healing, in 1-3). Talin is a large, m of integrins and other foo n linking focal adhesions increases the affinity betw	d tissues. Integrins cellular protein con led for cell motility. d avidity. Signaling t tosis, and gene exp immune response jultidomain focal ac cal adhesion protei s to the actin cytosł	clustered on the aplexes, which in Internal signals chrough focal oression, and hesion protein tha ns. Talin is involved celeton (4). The		
Background References 1. Burridge, K. et al. (1988) Annu Rev Cell Biol 4, 487-525.   2. Calderwood, D.A. et al. (2000) J Biol Chem 275, 22607-10.   3. ffrench-Constant, C. and Colognato, H. (2004) Trends Cell Biol   4. Nayal, A. et al. (2004) Curr Opin Cell Biol 16, 94-8.   5. Tanentzapf, G. and Brown, N.H. (2006) Nat Cell Biol 8, 601-6.   6. Tadokoro, S. et al. (2003) Science 302, 103-6.				14, 678-86.				
Species Reactiv	/ity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	uffer	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 Ke	ey	W: Western Blotting I	<b>?:</b> Immunoprecipita	ation				
Cross-Reactivit	y Key	H: Human M: Mouse F	<b>R:</b> Rat <b>Mk:</b> Monkey					
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