e at -20C	Sharpin (D4P5B) Rabbit mAb				
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com		
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#125		Web:	info@cellsignal.com cellsignal.com		
14-		3 Trask Lane Danvers	Massachusetts 01923 USA		

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Applications: WB, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 43	Source/Isotype: Rabbit IgG	UniProt ID: #Q9H0F6	Entrez-Gene Id: 81858		
Product Usage Information	We	oplication estern Blotting imunoprecipitation			Dilution 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 aliquot the antibody.						
Specificity / Sensitivity		Sharpin (D4P5B) Rabbit mAb recognizes endogenous levels of total Sharpin protein. This antibody does not cross-react with HOIL-1/RBCK1.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro313 of human Sharpin protein.						
Background	ger Sha bee don pro ess Sha stud Ubi pati dev der	ne among many mamp arpin harbors multiple en shown to mediate th nains, ubiquitin-like do tein recognition and d cential for Sharpin to e arpin was initially iden dies have identified SI chanistic model sugge iquitin Chain Assembly hway (3,4,6,7), thereb velopment. Indeed, mi	malian species a functional motif he interaction be omain (UBL) and egradation (2). xert its function tified as a scaffe harpin as a nove ests that Sharpin y Complex (LUE by regulating cel ce with spontan	g protein (<i>Sharpin</i>), also and is ubiquitously expri- s including an amino tel etween Sharpin and the d NPL4 zinc finger dom. Recent studies have sh in part through ubiquitir old protein within the po el modulator of immune n functions as an import BAC) that modulates act I survival and apoptosis eous mutations in the S ophilic inflammation of th	essed in various types rminal coiled-coil (CC) scaffold protein SHAN ain (NZF), facilitate ubi own that both UBL and n-mediated mechanism stsynaptic density of ne and inflammatory dise ant adaptor componen ivation of the canonica , cytokine production, a <i>charpin</i> gene develop c	of cells and tissues. domain, which has IK (1). The other two quitin-mediated I NZF domains are is (3-5). Although eurons (1), recent ases. An emerging it of the Linear I NF-KB signaling and lymphoid tissue hronic proliferative		
Background Refe	2. G 3. II 4. T 5. N 6. G 7. T	im, S. et al. (2001) <i>M</i> / Grabbe, C. and Dikic, 1 keda, F. et al. (2011) <i>I</i> Tokunaga, F. et al. (2013) wai, K. (2011) <i>Cell Cy</i> Gerlach, B. et al. (2013) Tokunaga, F. et al. (2013) Geymour, R.E. et al. (2013)	I. (2009) Chem Nature 471, 637 11) Nature 471, cle 10, 3095-10 I) Nature 471, 5 09) Nat Cell Bio	Rev 109, 1481-94. -41. 633-6. 4. 91-6. / 11, 123-32.				
Species Reactivity	y Spec	cies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern blot).		
Western Blot Buff		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 Key Cross-Reactivity Key		: Western Blotting IP:	Immunoprecipi	tation				
		 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected 						

Trademarks and Patents

Limited Uses

Sharpin (D4P5B) Rabbit mAb (#12541) Datasheet Without Images Cell Signaling Technology

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