#03654 Store at -20C Rabbit m	-	r227) (D6W2	2T)			Il Signaling C H N O L O G Y* 877-616-CELL (2355)
- St					oracis.	orders@cellsignal.com
224					Support:	877-678-TECH (8324)
⊭ 936					Web:	info@cellsignal.com cellsignal.com
				3 Trask L	ane Danvers Mas	sachusetts 01923 USA
For Research Use Onl	-	-		Coursellootuno	LiniDrat ID.	Entros Cono Idi
Applications: WB, IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 46-62	Source/Isotype: Rabbit IgG	UniProt ID: #Q9Y572	Entrez-Gene Id: 11035
Product Usage	A	Application Dilution				
Information	V	Western Blotting			1:1000	
	Ir	Immunofluorescence (Immunocytochemistry)			1:800 - 1:3200	
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.				cerol and less than
Specificity / Sensitivity		Phospho-RIP3 (Ser227) (D6W2T) Rabbit mAb recognizes endogenous levels of RIP3 protein only when phosphorylated at Ser227. A band is also detected at 30 kDa that appears to be a cleavage product of RIP3.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phospho-peptide corresponding to residues surrounding Ser227 of human RIP3 protein.				
Background	im ac de thr ma (T ph ap of Re co as ne 13 lik	portant regulators of c tivation of NF-κB, as we ath domain responsib rough interaction with aking the cells more se RAFs) and can recruit osphorylation and deg optosis (2,3). Caspas RIP (8). ecceptor-interacting pro- mplex to induce apop sociation between RIF perosis (necroptosis), a b). RIP3 is phosphoryla e protein (MLKL), which	cellular stress that well as pro-apopt le for interaction TRADD (2,3). RI ensitive to apopt trikks to the TNF gradation (6,7). C e-8-dependent c tein 3 (RIP3) wa tosis and activati P and RIP3 is a k a necrotic-like ce ated at Ser227 ac ch is critical for n	nily of serine-threonine tt trigger pro-survival an otic pathways (1). In ad with the death domain in P-deficient cells show a cosis (4,5). RIP also inter -R1 signaling complex in Overexpression of RIP in leavage of the RIP deat s originally found to inter on of NF-κB (9,10). Sub teey component of a sign II death induced by TNF and targets the phosphor ecroptosis (14). In mice L and necroptosis (15).	d inflammatory respondition to the kinase d receptor Fas and rec failure in TNF-media racts with TNF-recept via interaction with N induces both NF-KB a h domain can trigger ract with RIP and the sequently, it has been aling pathway that re- in the presence of c ylation of mixed linear	onses through the omain, RIP contains a ruitment to TNF-R1 ated NF-kB activation, tor-associated factors EMO, leading to IkB ctivation and the apoptotic activity e TNF receptor en shown that the esults in programmed aspase inhibitors (11- age kinase domain-
		 Meylan, E. and Tschopp, J. (2005) <i>Trends Biochem Sci</i> 30, 151-9. Hsu, H. et al. (1996) <i>Immunity</i> 4, 387-96. Stanger, B.Z. et al. (1995) <i>Cell</i> 81, 513-23. Ting, A.T. et al. (1996) <i>EMBO J</i> 15, 6189-96. Kelliher, M.A. et al. (1998) <i>Immunity</i> 8, 297-303. Devin, A. et al. (2000) <i>Immunity</i> 12, 419-29. Zhang, S.Q. et al. (2000) <i>Immunity</i> 12, 301-11. Lin, Y. et al. (1999) <i>Genes Dev</i> 13, 2514-26. Yu, P.W. et al. (1999) <i>Curr Biol</i> 9, 539-42. Sun, X. et al. (1999) <i>J Biol Chem</i> 274, 16871-5. Zhang, D.W. et al. (2009) <i>Science</i> 325, 332-6. He, S. et al. (2009) <i>Cell</i> 137, 1112-23. Sun, L. et al. (2012) <i>Cell</i> 148, 213-27. Chen, W. et al. (2013) <i>J Biol Chem</i> 288, 16247-61. 				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

15. Chen, W. et al. (2013) J Biol Chem 288, 16247-61.

3/23/24, 11:37 AM Western Blot Buffe	Phospho-RIP3 (Ser227) (D6W2T) Rabbit mAb (#93654) Datasheet Without Images Cell Signaling TechnolrIMPORTANT: 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	WB: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry)
Cross-Reactivity K	 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
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