## IκB-ζ Antibody Cell Signaling TECHNOLOGY\* Orders: 877-616-CELL (2355) orders@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com



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

Applications: W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 85	<b>Source/Isotype:</b> Rabbit	UniProt ID: #Q9BYH8	Entrez-Gene Id: 64332
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
Storage		Supplied in 10 mM sod 20°C. Do not aliquot th		5), 150 mM NaCl, 100 μg	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sensitivity		ΙκΒ-ζ Antibody detects endogenous levels of total human ΙκΒ-ζ protein and transfected levels of mouse ΙκΒ-ζ.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues at the amino terminus of human ΙκΒ-ζ. Antibodies were purified by protein A and peptide affinity chromatography.				
Background		inhibitory IκB proteins by proteasome-mediat κB (3-7). ΙκBα phospho diverse group of extrac chemokines. Kinases th IκB-ζ (MAIL, INAP) is a receptor (TLR) ligands ( responsible for interac which inhibit NF-κB tra inducible and localized 14). Induction of ΙκΒ-ζ	(1-3). Activation of ed degradation th rylation and result cellular signals incl hat phosphorylate unique ΙκΒ family (9-11). Like other fa tion with NF-κΒ, pa nslocation and are to the nucleus wh is required for TLR	resent in the cytosol in a curs via phosphorylatio at results in the release ing Rel-dependent trans uding inflammatory cyto IkB at these activating s member homologous to amily members, it conta articularly p50. Unlike cla e rapidly degraded upon iere it regulates NF-kB D /IL-1 induction of a subs transactivation of other	n of IκBα at Ser32 a and nuclear translo cription are activate okines, growth facto ites have been iden Bcl-3 and induced ins carboxyl termine assical IκB family me cytokine treatment NA binding and tra et of NF-κB target o	nd Ser36 followed cation of active NF- ed by a highly ors, and tified (8). by IL-1 and Toll-like al ankyrin-repeats embers (α, β, ε) c, IκB-ζ is cytokine- nsactivation (12- genes, including IL-
Background Re	ferences	1. Baeuerle, P.A. and Ba 2. Beg, A.A. and Baldwi 3. Finco, T.S. et al. (1994 4. Brown, K. et al. (1995 5. Brockman, J.A. et al. 6. Traenckner, E.B. et al 7. Chen, Z.J. et al. (1996 8. Karin, M. and Ben-Ne 9. Yamazaki, S. et al. (20 10. Kitamura, H. et al. (20 12. Matsuo, S. et al. (20 13. Totzke, G. et al. (20 14. Motoyama, M. et al 15. Yamamoto, M. et al	in, A.S. (1993) Gend 4) Proc Natl Acad 5 5) Science 267, 148 (1995) Mol Cell Bio (1995) EMBO J 14 6) Cell 84, 853-62. eriah, Y. (2000) Ani 001) J Biol Chem 27 2000) FEBS Lett 48 101) J Biol Chem 27 107) Biol Chem 24 107) Biol Chem 28 (2005) J Biol Cher 28	es Dev 7, 2064-70. Sci USA 91, 11884-8. 5-8. 15, 2809-18. , 2876-83. nu Rev Immunol 18, 621 76, 27657-62. 5, 53-6. 6, 12485-8. , 605-15. 1, 12645-54. n 280, 7444-51.	-63.	
Species Reactiv	vity	Species reactivity is def	termined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot B	uffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a		membrane with diluted shaking, overnight.	primary antibody ii	n 5% w/v BSA, 1X
Applications Ke	ey	W: Western Blotting IP	: Immunoprecipita	ation		
Cross-Reactivit	у Кеу	H: Human				

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