e at -20C	ΙκΒ-ζ Antibody		echnology
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
14		Support:	877-678-TECH (8324)
<u></u> †924		Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 85	Source: Rabbit	UniProt ID: #Q9BYH8	Entrez-Gene Id: 64332
Product Usage Information	App Wes Imm	lication stern Blotting unoprecipitation			Dilution 1:1000 1:50	
Storage	Supp 20°C	lied in 10 mM sodi . Do not aliquot the	um HEPES (pH 7.9 e antibody.	5), 150 mM NaCl, 10	00 μg/ml BSA and 50% g	Jlycerol. Store at –
Specificity / Sensitiv	/ity ΙκΒ-ζ ΙκΒ-ζ	Antibody detects e	endogenous levels	of total human IkB-a	, protein and transfected	levels of mouse
Source / Purification	Polyc residu chron	clonal antibodies ar ues at the amino te natography.	re produced by imr erminus of human I	nunizing animals wit κΒ-ζ. Antibodies we	h a synthetic peptide coi re purified by protein A a	rresponding to Ind peptide affinity
Background	The Ν inhibi prote 7). ΙκΙ of ext phos IκΒ-ζ recep respo inhibi and Ic of ΙκΕ the Ικ	NF-κB/Rel transcrip tory IκB proteins (1 asome-mediated d Bα phosphorylation tracellular signals i phorylate IκB at the (MAIL, INAP) is a otor (TLR) ligands (onsible for interaction t NF-κB translocation calized to the nuc 8-ζ is required for T cB-ζ can also inhibition	Dition factors are pro- legradation that reserved and resulting Rel nand resulting Rel ncluding inflammation ese activating sites unique IkB family in (9-11). Like other fa- on with NF-kB, par- ion and are rapidly eleus where it regul "LR/IL-1 induction of transactivation of	esent in the cytosol urs via phosphorylat sults in the release a -dependent transcrip tory cytokines, grown have been identifie nember homologous amily members, it co ticularly p50. Unlike degraded upon cyto ates NF-kB DNA bir of a subset of NF-kB other targets, such	in an inactive state comp tion of $I \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	blexed with the I Ser36 followed by of active NF-κB (3- highly diverse group les. Kinases that y IL-1 and Toll-like ankyrin-repeats nbers (α , β , ϵ) which cytokine-inducible (12-14). Induction IL-6 (15). However,
Background Refere	nces 1. Ba 2. Be 3. Fin 4. Bro 5. Bro 6. Tra 7. Ch 8. Ka 9. Ya 10. Kita 11. Ha 12. Ma 13. Tot 14. Mo 15. Ya	euerle, P.A. and Ba g, A.A. and Baldwi ico, T.S. et al. (199 bwn, K. et al. (1995 bockman, J.A. et al. aenckner, E.B. et a en, Z.J. et al. (199 rin, M. and Ben-Ne mazaki, S. et al. (200 amura, H. et al. (200 ttsuo, S. et al. (200 tzke, G. et al. (200 toyama, M. et al. (mamoto, M. et al. (Altimore, D. (1988) n, A.S. (1993) Gen 4) Proc Natl Acad 5) Science 267, 144 (1995) Mol Cell Bi I. (1995) EMBO J 2 6) Cell 84, 853-62. eriah, Y. (2000) Ani 001) J Biol Chem 276 (7) Biochem J 405, 6) J Biol Chem 281 2005) J Biol Chem (2004) Nature 430,	Science 242, 540-6 es Dev 7, 2064-70. Sci USA 91, 11884- 35-8. ol 15, 2809-18. L4, 2876-83. hu Rev Immunol 18, 276, 27657-62. 5, 53-6. 5, 12485-8. 605-15. ., 12645-54. 280, 7444-51. 218-22.	8. 621-63.	
Species Reactivity	Specie	es reactivity is dete	ermined by testing	n at least one appro	ved application (e.g., we	estern blot).
Western Blot Buffer	IMPO 0.1%	RTANT: For wester Tween® 20 at 4°C	n blots, incubate n with gentle shakin	nembrane with dilute g, overnight.	ed primary antibody in 5%	∕₀ w/v BSA, 1X TBS,
Applications Key	WB:	Western Blotting IF	•: Immunoprecipita	tion		

3/23/24, 11:34 AM	ΙκΒ-ζ Antibody (#9244) Datasheet Without Images Cell Signaling Technology				
Cross-Reactivity Key	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	Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc. All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.				
Limited Uses	Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.				
	Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for reseale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.				