Phospho-IκBβ (Thr19/Ser23) Antibody



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 48 to 50	Source/Isotype: Rabbit	UniProt ID: #Q15653	Entrez-Gene Id 4793
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-ΙκΒβ (Thr19/Ser23) Antibody detects endogenous levels of human ΙκΒβ only when phosphorylated at threonine 19 and serine 23. This antibody also recognizes phosphorylation at Ser19/Ser23 also reported as the sequence for ΙκΒβ.				
Species predicte based on 100% s homology		Monkey, Dog				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues of human IκBβ surrounding Thr19/Ser23. Antibodies are purified by protein A and affinity chromatography.				
Background		inhibitory IκB proteins by proteasome-media κB (3-7). ΙκΒα phosphodiverse group of extrachemokines. Kinases the regulation of ΙκΒβ mediated degradation IκΒβ occurs at Ser19 a	s (1-3). Activation of ted degradation th orylation and result cellular signals incl that phosphorylate and IkBE is similar of these proteins and Ser23, while IkE also been reporte	resent in the cytosol in a ccurs via phosphorylatio at results in the release ing Rel-dependent trans uding inflammatory cyto IkB at these activating s to that of IkBa. Howeve occurs with much slower is can be phosphorylate it to contain a threonine 1).	n of IkBa at Ser32 a and nuclear translo scription are activat okines, growth facto ites have been ider or, the phosphorylat r kinetics (9). IKK ph d at Ser18 and Ser2	and Ser36 followed cation of active NF- ed by a highly ors, and atified (8). ion and ubiquitin- tosphorylation of (2 (10). The human
Background References		 Baeuerle, P.A. and Baltimore, D. (1988) Science 242, 540-6. Beg, A.A. and Baldwin, A.S. (1993) Genes Dev 7, 2064-70. Finco, T.S. et al. (1994) Proc Natl Acad Sci USA 91, 11884-8. Brown, K. et al. (1995) Science 267, 1485-8. Brockman, J.A. et al. (1995) Mol Cell Biol 15, 2809-18. Traenckner, E.B. et al. (1995) EMBO J 14, 2876-83. Chen, Z.J. et al. (1996) Cell 84, 853-62. Karin, M. and Ben-Neriah, Y. (2000) Annu Rev Immunol 18, 621-63. Hoffmann, A. et al. (2002) Science 298, 1241-1245. Shirane, M. et al. (1995) Mol Endocrinol 9, 243-54. 				
Species Reactivi	ty	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X				

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 W: Western Blotting

Cross-Reactivity Key H: Human

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 resale (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 any trademarks, trade names, logos, patent or copyright notices or markings, (d) use 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.