Phospho-NF-κB p65 (Ser536) (93H1) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cell signal.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: VB, W-S, IP, IF-IC, FC- FP	Reactivity: H M R Hm Mk Pg	Sensitivity: Endogenous	MW (kDa): 65	Source/Isotype: Rabbit IgG	UniProt ID: #Q04206	Entrez-Gene lo 5970	
Product Usage	Арр	Application				Dilution	
Information	Wes	Western Blotting				1:1000	
	Sim	Simple Western™				1:10 - 1:50	
	Imm	Immunoprecipitation				1:50	
	Imm	Immunofluorescence (Immunocytochemistry)				1:800 - 1:3200	
	Flov	Flow Cytometry (Fixed/Permeabilized)				1:800 - 1:3200	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
	For a	For a carrier free (BSA and azide free) version of this product see product #76778.					
Specificity / Sens	Ser5	Phospho-NF-kappaB p65 (Ser536) (93H1) Rabbit mAb detects NF-kB p65 only when phosphorylated at Ser536. It does not cross-react with the p50 subunit or other related proteins. Non-specific labeling may be observed by immunofluorescence in astrocytes.					
Species predicted react based on 10 sequence homological contractions are sequenced by the sequence of the seq	00%						
Source / Purificat		oclonal antibody is ues surrounding S		unizing animals with a s IF-кВ p65.	synthetic phosphopep	tide corresponding to	
Background	immu (p10! to pro DNA inhib them nucle	Transcription factors of the nuclear factor κB (NF-κB)/Rel family play a pivotal role in inflammatory and immune responses (1,2). There are five family members in mammals: RelA, c-Rel, RelB, NF-κB1 (p105/p50), and NF-κB2 (p100/p52). Both p105 and p100 are proteolytically processed by the proteasome to produce p50 and p52, respectively. Rel proteins bind p50 and p52 to form dimeric complexes that bind DNA and regulate transcription. In unstimulated cells, NF-κB is sequestered in the cytoplasm by IκB inhibitory proteins (3-5). NF-κB-activating agents can induce the phosphorylation of IκB proteins, targeting them for rapid degradation through the ubiquitin-proteasome pathway and releasing NF-κB to enter the nucleus where it regulates gene expression (6-8). NIK and IKKα (IKK1) regulate the phosphorylation and processing of NF-κB2 (p100) to produce p52, which translocates to the nucleus (9-11).					
Background Refe	 kground References Baeuerle, P.A. and Henkel, T. (1994) Annu Rev Immunol 12, 2. Baeuerle, P.A. and Baltimore, D. (1996) Cell 87, 13-20. Haskill, S. et al. (1991) Cell 65, 1281-9. Thompson, J.E. et al. (1995) Cell 80, 573-82. Whiteside, S.T. et al. (1997) EMBO J 16, 1413-26. Traenckner, E.B. et al. (1995) EMBO J 14, 2876-83. Scherer, D.C. et al. (1995) Proc Natl Acad Sci USA 92, 1125-8. Chen, Z.J. et al. (1996) Cell 84, 853-62. Senftleben, U. et al. (2001) Science 293, 1495-9. 						

Species Reactivity

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

10. Coope, H.J. et al. (2002) *EMBO J* 21, 5375-85. 11. Xiao, G. et al. (2001) *Mol Cell* 7, 401-9.

3/23/24, 10:55 AM Phospho-NF-кВ p65 (Ser536) (93H1) Rabbit mAb (#3033) Datasheet Without Images Cell Signaling Techn...

Western Blot Buffer

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

WB: Western Blotting W-S: Simple Western™ IP: Immunoprecipitation

IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)

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. Alexa Fluor is a registered trademark of Life Technologies Corporation.

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.