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Phospho-NF-κB p65 (Ser536) (93H1) Rabbit mAb (Biotinylated) Cell Signaling T E C H N O L O G Y[®]

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

Applications: WB	Reactivity: H M R Hm Mk Pg	Sensitivity: Endogenous	MW (kDa): 65	Source/Isotype: Rabbit IgG	UniProt ID: #Q04206	Entrez-Gene Id: 5970
Product Usage Information	Ap We	plication stern Blotting			Dilution 1:1000	
Storage	Sup 50%	plied in 136 mM Nat glycerol. Store at –	Cl, 2.6 mM KCl, 1 20°C. Do not alic	L2 mM sodium phospha juot the antibodies.	te (pH 7.4) dibasic, 2 ı	mg/ml BSA, and
Specificity / Sens	itivity Pho pho	Phospho-NF-κB p65 (Ser536) (93H1) Rabbit mAb (Biotinylated) detects NF-κB p65 protein only when phosphorylated at Ser536. It does not cross-react with the p50 subunit or other related proteins.				otein only when proteins.
Species predicted react based on 10 sequence homolo	d to Dog D0% Dgy:					
Source / Purificat	t ion Mor resid	oclonal antibody is p dues surrounding Se	produced by imm r536 of human N	unizing animals with a s IF-кВ p65 protein.	synthetic phosphopept	ide corresponding to
Product Descript	ion This unco mon mAt	Cell Signaling Tech onjugated Phospho-I key, hamster, and pi o (Biotinylated) will a	nology (CST) an NF-кВ p65 (Ser5 g phospho-NF-к Iso recognize ph	tibody is conjugated to t 36) (93H1) Rabbit mAb B. CST expects that Ph ospho-NF-κB in these s	biotin under optimal cc #3033 reacts with hur ospho-NF-κB p65 (Se pecies.	nditions. The nan, mouse, rat, r536) (93H1) Rabbit
MW (kDa)					65	
Background	Trar imm (p10 to pr DNA inhit then nucl proc	scription factors of t une responses (1,2) (5/p50), and NF-ĸB2 roduce p50 and p52, and regulate transc pitory proteins (3-5). In for rapid degradation eus where it regulate essing of NF-ĸB2 (p	he nuclear factor . There are five f (p100/p52). Boti respectively. Re ription. In unstim NF-kB-activating on through the u es gene expressi 100) to produce	κΒ (NF-κΒ)/Rel family amily members in mam h p105 and p100 are pro- l proteins bind p50 and hulated cells, NF-κΒ is s g agents can induce the biquitin-proteasome pat ion (6-8). NIK and IKKα p52, which translocates	blay a pivotal role in in mals: ReIA, c-ReI, ReI bteolytically processed p52 to form dimeric ca equestered in the cyto phosphorylation of IKE hway and releasing Ni (IKK1) regulate the ph to the nucleus (9-11).	flammatory and B, NF-ĸB1 I by the proteasome omplexes that bind uplasm by IĸB B proteins, targeting F-ĸB to enter the nosphorylation and
Background Refe	erences 1. B 2. B 3. H 4. T 5. W 6. T 7. S 8. C 9. S 10. C 11. X	aeuerle, P.A. and He aeuerle, P.A. and Ba askill, S. et al. (1991 nompson, J.E. et al. 'hiteside, S.T. et al. (aenckner, E.B. et al. cherer, D.C. et al. (1996 enftleben, U. et al. (200 pope, H.J. et al. (2001) / ao, G. et al. (2001) /	nkel, T. (1994) A ltimore, D. (1996)) <i>Cell</i> 65, 1281-9 (1995) <i>Cell</i> 80, 5 1997) <i>EMBO J</i> (1995) <i>EMBO J</i> 995) <i>Proc Natl A</i> 5) <i>Cell</i> 84, 853-62 (2001) <i>Science</i> 29 (201) <i>Science</i> 201) <i>Science</i> 29 (201) <i>Science</i> 29 (201) <i>Science</i> 29 (201) <i>Science</i> 20 (201) <i>Science</i> 20 (nnu Rev Immunol 12, 1 5) Cell 87, 13-20. 6, 1413-26. 14, 2876-83. cad Sci USA 92, 11259- 2. 03, 1495-9. 5375-85.	41-79. 63.	

Species Reactivity

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

Western Blot Buffer

1/1/24, 7:07 AM	Phospho	-NF-κB p65 (Ser536) (93H1) Rabbit mAb (Biotinylated) (#4025) Datasheet Without Images Cell Sig				
		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				
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 				
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