3045 Store at -20C

Acetyl-NF-кВ p65 (Lys310) Antibody



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

Applications: W, IP	Reactivity: H M	Sensitivity: Transfected Only	MW (kDa): 65	Source/Isotype: Rabbit	UniProt ID: #Q04206	Entrez-Gene Id: 5970
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
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		Acetyl-NF-κB p65 (Lys310) Antibody detects transfected levels of NF-κB only when acetylated at Lys310.				
Species predicted to react based on 100% sequence homology		Rat, Monkey, Bovine, Dog				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic acetylated peptide corresponding to residues surrounding Lys310 of NF-κB. Antibodies were purified by protein A and peptide affinity chromatography.				
Background		immune responses (1,2 (p105/p50), and NF-κB2 proteasome to produce complexes that bind DI cytoplasm by IκB inhibi IκB proteins, targeting releasing NF-κB to enteregulate the phosphory the nucleus (9-11). NF-κB assembly with Iκp300/CBP acetytransfer	2). There are five fa 2 (p100/p52). Both e p50 and p52, res NA and regulate tr tory proteins (3-5) them for rapid de er the nucleus whe ylation and proces B, as well as its DI rases that principa	r κB (NF-κB)/Rel family pamily members in mamr p105 and p100 are prot pectively. Rel proteins bi anscription. In unstimul . NF-κB-activating agent gradation through the use it regulates gene exp sing of NF-κB2 (p100) to NA binding and transcriptilly target Lys218, Lys22 lases (HDACs); several H	nals: RelA, c-Rel, Re eolytically processe ind p50 and p52 to ated cells, NF-κB is as can induce the phibiquitin-proteasom ression (6-8). NIK and produce p52, whico tional activity, are and Lys310 (12-14).	IB, NF-κB1 Id by the form dimeric sequestered in the cosphorylation of the pathway and and ΙΚΚα (ΙΚΚ1) th translocates to regulated by the company of the cost of
Background References		1. Baeuerle, P.A. and Henkel, T. (1994) <i>Annu Rev Immunol</i> 12, 141-79. 2. Baeuerle, P.A. and Baltimore, D. (1996) <i>Cell</i> 87, 13-20. 3. Haskill, S. et al. (1991) <i>Cell</i> 65, 1281-9. 4. Thompson, J.E. et al. (1995) <i>Cell</i> 80, 573-82. 5. Whiteside, S.T. et al. (1997) <i>EMBO J</i> 16, 1413-26. 6. Traenckner, E.B. et al. (1995) <i>EMBO J</i> 14, 2876-83. 7. Scherer, D.C. et al. (1995) <i>Proc Natl Acad Sci USA</i> 92, 11259-63. 8. Chen, Z.J. et al. (1996) <i>Cell</i> 84, 853-62. 9. Senftleben, U. et al. (2001) <i>Science</i> 293, 1495-9. 10. Coope, H.J. et al. (2002) <i>EMBO J</i> 21, 5375-85. 11. Xiao, G. et al. (2001) <i>Mol Cell</i> 7, 401-9. 12. Ashburner, B.P. et al. (2001) <i>Mol. Cell. Biol.</i> 21, 7065-7077. 13. Mayo, M.W. et al. (2003) <i>J. Biol. Chem.</i> 278, 18980-1899. 14. Chen, L.F. et al. (2002) <i>EMBO J.</i> 21, 6539-6548.				

Species Reactivity

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

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

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key H: Human M: Mouse

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