

ΙκΒα (112B2) Mouse mAb (Carboxyterminal Antigen)



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Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 39	Source/Isotype: Mouse IgG2a	UniProt ID: #P25963	Entrez-Gene Id: 4792	
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 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity/Sen	sitivity	ΙκΒα (112B2) Mouse mAb (Carboxy-terminal Antigen) detects endogenous levels of total ΙκΒα prote				otal ΙκΒα protein.	
Species predict based on 100% homology	ed to react sequence	Hamster, Monkey					
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy-terminus of human ΙκΒα.					
Background		The NF-kB/Rel transcription factors are present in the cytosol in an inactive state complexed with the inhibitory IkB proteins (1-3). Activation occurs via phosphorylation of IkBα at Ser32 and Ser36 followed by proteasome-mediated degradation that results in the release and nuclear translocation of active NF- kB (3-7). IkBα phosphorylation and resulting Rel-dependent transcription are activated by a highly diverse group of extracellular signals including inflammatory cytokines, growth factors, and chemokines. Kinases that phosphorylate IkB at these activating sites have been identified (8).					
Background Re	ferences	 Baeuerle, P.A. and Baltimore, D. (1988) <i>Science</i> 242, 540-6. Beg, A.A. and Baldwin, A.S. (1993) <i>Genes Dev</i> 7, 2064-70. Finco, T.S. et al. (1994) <i>Proc Natl Acad Sci USA</i> 91, 11884-8. Brown, K. et al. (1995) <i>Science</i> 267, 1485-8. Brockman, J.A. et al. (1995) <i>Mol Cell Biol</i> 15, 2809-18. Traenckner, E.B. et al. (1995) <i>EMBO J</i> 14, 2876-83. Chen, Z.J. et al. (1996) <i>Cell</i> 84, 853-62. Karin, M. and Ben-Neriah, Y. (2000) <i>Annu Rev Immunol</i> 18, 621-63. 					
Species Reactiv	/ity	Species reactivity is det	ermined by testing	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Ke	≥y	W: Western Blotting IP: Immunoprecipitation					
Cross-Reactivit	у Кеу	H: Human M: Mouse R: Rat					
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