IKKε (D61F9) XP[®] Rabbit mAb



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Applications: W, IP, IF-IC, FC-FP	Reactivity: M R	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit IgG	UniProt ID: #Q14164	Entrez-Gene Id: 9641
Product Usage Information		Application Western Blotting Immunoprecipitation Immunofluorescence Flow Cytometry (Fixed.	-	istry)	1 1 1	Dilution :1000 :100 :100 :50 - 1:100
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.				
		For a carrier free (BSA and azide free) version of this product see product #96794.				
Specificity/Sen	-	IKKɛ (D61F9) XP $^{\circledast}$ Rabbit mAb detects endogenous levels of total IKKɛ protein.				
Source / Purific	ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxyl terminus of mouse IKKɛ.				
Background		inhibitory IkB proteins on phosphorylation-in this pathway involves a generally carried out b subunits of the kinase phosphorylation at Ser causes conformationa Recently, two homolog TBK-1 (also known as T IKKɛ contains the kinas	(1-3). Most agents duced, proteasome activation of a high by three tightly asso and ΙΚΚγ serves as r177 and Ser181 in l changes, resulting of ΙΚΚα and ΙΚΚβ 2K or NAK), and ac se domain in its am	resent in the cytosol in a that activate NF-ĸB do se- e-mediated degradation molecular weight IĸB ki potated IKK subunits. IKK the regulatory subunit (the activation loop of IK g in kinase activation (10 have been described, ca tivation of either of thes ino terminus, which sha e cells, and may play a sp	o through a comm of IκB (3-7). The ke nase (IKK) complex α and IKKβ serve a 8,9). Activation of 3 Kβ (Ser176 and Se -13). alled IKKε (also kno e kinases results in res 30% identity to	on pathway based ey regulatory step in k whose catalysis is as the catalytic IKK depends upon r180 in IKKα), which own as IKK-i) and n NF-κB activation. o that of IKKα or
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. Zandi, E. et al. (1997) <i>Cell</i> 91, 243-52. Karin, M. (1999) <i>Oncogene</i> 18, 6867-74. DiDonato, J.A. et al. (1997) <i>Nature</i> 388, 548-54. Mercurio, F. et al. (1997) <i>Science</i> 278, 860-6. Johnson, L.N. et al. (1999) <i>Science</i> 284, 309-13. Shimada, T. et al. (1999) <i>Int Immunol</i> 11, 1357-62. Peters, R.T. et al. (2000) <i>Mature</i> 404, 778-82. Bonnard, M. et al. (2000) <i>EMBO J</i> 19, 4976-85. Peters, R.T. and Maniatis, T. (2001) <i>Biochim Biophys Acta</i> 1471, M57-62. 				
Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	d application (e.g.,	, western blot).
Western Blot B	uffer	IMPORTANT: For weste TBS, 0.1% Tween® 20 a		membrane with diluted haking, overnight.	primary antibody i	n 5% w/v BSA, 1X

Applications Key	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC- FP: Flow Cytometry (Fixed/Permeabilized)			
Cross-Reactivity Key	M: Mouse R: Rat			
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