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Phospho-IKKε (Ser172) (D1B7) Rabbit mAb 9928



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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit IgG	UniProt ID: #Q14164	Entrez-Gene Id: 9641
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
Storage		Supplied in 10 mM sodi 0.02% sodium azide. Sto			ml BSA, 50% glycer/	ol and less than
Specificity/Sen	sitivity	Phospho-IKKε (Ser172) (D1B7) Rabbit mAb recognizes endogenous levels of IKKε protein only when phosphorylated at Ser172. This antibody may cross-react with phospho-TBK1/NAK.				
Species predict based on 100% homology		Mouse, Rat, Monkey, Do	og			
Source / Purific	ation	Monoclonal antibody is corresponding to residu				eptide
Background		The NF-κB/Rel transcrip inhibitory IκB proteins (on phosphorylation-ind this pathway involves a generally carried out by subunits of the kinase a phosphorylation at Ser causes conformational Recently, two homologe TBK1 (also known as T2 IKKε contains the kinase IKKβ. IKKε is expressed (14-18). IKKε and TBK1 I activation loops (19). IR responses (20).	1-3). Most agents uced, proteasome ctivation of a high three tightly asso and IKKγ serves as 177 and Ser181 in changes, resulting of IKKα and IKKβ K or NAK), and act e domain in its am mainly in immune kinase capabilities	that activate NF-ĸB do s e-mediated degradation molecular weight IĸB ki iciated IKK subunits. IKK the regulatory subunit the activation loop of IK in kinase activation (10 have been described, c ivation of either of these ino terminus, which sha e cells, and may play a sp are activated by phosph	o through a commo of IκB (3-7). The key nase (IKK) complex (α and IKKβ serve a (8,9). Activation of I Kβ (Ser176 and Ser -13). alled IKKε (also kno e kinases results in the s30% identity to becial role in the im norylation at Ser172	on pathway based y regulatory step in whose catalysis is s the catalytic KK depends upon 180 in IKKα), which wn as IKK-i) and NF-ĸB activation. that of IKKα or mune response within their
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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			
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