

26975

Phospho-MEK1 (Thr292) (D5L3K) Rabbit



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Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 45	Source/Isotype: Rabbit IgG	UniProt ID: #Q02750	Entrez-Gene Id: 5604
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, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-MEK1 (Thr292) (D5L3K) Rabbit mAb recognizes endogenous levels of MEK1 protein only when phosphorylated at Thr292. This antibody does not cross-react with MEK2 protein.				
Species prediction to the based on 100% homology		Dog, Pig				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Thr292 of human MEK1 protein.				
Background		mitogen activated pro MEK1 and MEK2 occu located in the activativariety of growth factor Constitutively active for differentiation of PC-1 threonine and tyrosin In response to integri enhances MEK1-ERK2 regulate the Raf-1-ME regulatory loop in the MEK1 at Thr292 negative	otein kinase cascaders through phosphon loop of subdomors and cytokines a crms of MEK1/2 are 2 cells (4). MEK act e residues at sites longlex formation K-ERK signaling cast Raf-1-MEK-ERK sigtively regulates ME ylation of MEK1 also	kinases, are dual-specified controlling cell growth orylation of two serine reain VIII, by Raf-like mole and also by membrane descriptions of the transfivates p44 and p42 MAP ocated within the activativated kinase-1 (PAK-1) and MEK1 activation by scade (5-9). Research stunaling cascade, in which K1 activation following control attenuates its PAK-1-morylation of residues with	and differentiation esidues at positions cules. MEK1/2 is act epolarization and commation of NIH/37 kinase by phosphotion loop of kinase phosphorylates ME / Raf-1. These eventidies have identified ERK2-dependent pell adhesion. Specifiediated phosphory	(1-3). Activation of 217 and 221, ivated by a wide alcium influx (1-4). 3 cells or the rylating both subdomain VIII. K1 at Ser298, which is positively a negative hosphorylation of ically, ERK2-lation, contributing
Background References		1. Crews, C.M. et al. (1 2. Alessi, D.R. et al. (19 3. Rosen, L.B. et al. (19 4. Cowley, S. et al. (199 6. Rossomando, A.J. et 7. Eblen, S.T. et al. (200 8. Eblen, S.T. et al. (200 9. Coles, L.C. and Shav 10. Xu, B.e. et al. (1999	994) EMBO J. 13, 16 994) Neuron 12, 120 94) Cell 77, 841-52. 7) EMBO J 16, 6426 t al. (1994) Mol Cell 94) Mol Cell Biol 24 92) Mol Cell Biol 22 v, P.E. (2002) Oncog	10-19. 07-21. -38. <i>Biol</i> 14, 1594-602. - 2308-17. - 6023-33. gene 21, 2236-44.		

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 R: Rat

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