MKK3 (D4C3) Rabbit mAb



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Applications: WB, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 38-40	Source/Isotype: Rabbit IgG	UniProt ID: #P46734	Entrez-Gene Id: 5606	
Product Usage Information	Ар	plication		Dilution			
	We	stern Blotting		1:1000			
	Imr	nunoprecipitation			1:200		
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 / Sens	sligh	MKK3 (D4C3) Rabbit mAb recognizes endogenous levels of total MKK3 protein. This antibody cross-reacts slightly with MKK6 but demonstrates an approximate 10-fold preference for MKK3 using recombinant, purified proteins.					
Source / Purificat	Fource / Purification Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding residues near the carboxy terminus of human MKK3 protein.					esponding to	
Background	MKK3 and MKK6 are two closely related dual-specificity protein kinases that activate p38 MAP kinases. MKK3 and MKK6 both phosphorylate and activate p38 MAP kinase at its activation site, Thr-Glydonot phosphorylate or activate Erk1/2 or SAPK/JNK. Phosphorylation of p38 MAP kinase dramatic stimulates its ability to phosphorylate protein substrates such as ATF-2 and Elk-1. MKK3 and MKK6 both activated by different forms of cellular stress and inflammatory cytokines (4,5). Activation of MK and MKK6 occurs through phosphorylation at Ser189 and Thr222 on MKK3 (2) and Ser207 and Thr2 MKK6 (4,5).					site, Thr-Gly-Tyr, but nase dramatically K3 and MKK6 are ctivation of MKK3	
Background Refe	 Derijard, B. et al. (1995) Science 267, 682-685. Raingeaud, J. et al. (1995) J. Biol. Chem. 270, 7420-7426. Sluss, H.K. et al. (1994) Mol. Cell. Biol. 14, 8376-8384. Raingeaud, J. et al. (1996) Mol. Cell. Biol. 16(3), 1247-1255. Han, J. et al. (1996) J. Biol. Chem. 271, 2886-2891. 						

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

WB: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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