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Phospho-MKK3 (Ser189)/MKK6 (Ser207) (D8E9) Rabbit mAb

Applications: WB, IP, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 38 MKK6, 40 MKK3	Source/Isotype: Rabbit IgG	UniProt ID: #P46734, #P52564	Entrez-Gene Id: 5606, 5608		
Product Usage Information	A	pplication				Dilution		
	W	estern Blotting				1:1000		
	Im	nmunoprecipitation				1:100		
		nmunofluorescence (I	mmunocytochem	istry)		1:400		
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 / Sensi		Phospho-MKK3 (Ser189)/MKK6 (Ser207) (D8E9) Rabbit mAb recognizes endogenous levels of MKK3 and MKK6 proteins only when phosphorylated at Ser189 (MKK3) or Ser207 (MKK6).						
Species predicted react based on 10 sequence homolo	0%	Rat, Monkey, Zebrafish, Bovine, Guinea Pig						
Source / Purificati		Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser189 of human MKK3 protein and Ser207 of human MKK6 protein.						
Background	5). do stir bot and	MKK3 and MKK6 are two closely related dual-specificity protein kinases that activate p38 MAP kinase (1- 5). MKK3 and MKK6 both phosphorylate and activate p38 MAP kinase at its activation site, Thr-Gly-Tyr, but do not phosphorylate or activate Erk1/2 or SAPK/JNK. Phosphorylation of p38 MAP kinase dramatically stimulates its ability to phosphorylate protein substrates such as ATF-2 and Elk-1. MKK3 and MKK6 are both activated by different forms of cellular stress and inflammatory cytokines (4,5). Activation of MKK3 and MKK6 occurs through phosphorylation at Ser189 and Thr222 on MKK3 (2) and Ser207 and Thr211 on MKK6 (4,5).						
Background Refe	2. F 3. S 4. F	 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	y Spe	Species reactivity is determined by testing in at least one approved application (e.g., western blot).						
Western Blot Buff		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 Key	WE	WB: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivity I	X: ×	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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Limited Uses								

Phospho-MKK3 (Ser189)/MKK6 (Ser207) (D8E9) Rabbit mAb (#12280) Datasheet Without Images Cell Sig...

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