p38 MAPK Antibody	C T	
Store	Orders:	877-616-CELL (2355) orders@cellsignal.com
	Support:	877-678-TECH (8324)
#9212	Web:	info@cellsignal.com cellsignal.com
#	3 Trask Lane Danvers M	lassachusetts 01923 USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB, IHC-P, FC-FP	Reactivity: H M R Mk GP	Sensitivity: Endogenous	MW (kDa): 40	Source: Rabbit	UniProt ID: #Q16539, #P53778, #Q15759	Entrez-Gene Id: 1432, 6300, 5600	
Product Usage Information	Wes	Application Western Blotting Immunohistochemistry (Paraffin) Flow Cytometry (Fixed/Permeabilized)			Dilution 1:1000 1:150 - 1:600 1:200 - 1:800		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				rcerol. Store at –	
Specificity / Sensi		p38 MAP Kinase Antibody detects endogenous levels of total p38 α , - β or - γ MAPK protein. This antibody does not recognize p38 δ , JNK/SAPK or p44/42 MAPK.				in. This antibody	
Species predicted react based on 10 sequence homolo	0%	ken					
Source / Purificati				-	vith a synthetic peptide correction of the corre		
Background	kinas Four have stres facto Activ phos fluor com (9). S	se that participates isoforms of p38 M/ been identified. Sin ses, including osmo ors (1-5). MKK3, MK rated p38 MAPK ha phorylate the trans- ophenyl)-2-(4-meth pound inhibits the a	in a signaling casc APK, p38α, β, y (als milar to the SAPK/ otic shock, inflamm K66, and SEK activ s been shown to pl cription factors ATF ylsulfinylphenyl)-5- ictivation of MAPK 038 MAPK catalytic	ade controlling cel so known as Erk6 INK pathway, p38 atory cytokines, lip ate p38 MAPK by nosphorylate and a -2 (5), Max (6), ar (4-pyridyl)-imidazo APK-2 by p38 MAF activity by binding	the mammalian orthologue lular responses to cytokines or SAPK3), and δ (also kno MAPK is activated by a var popolysaccharide (LPS), UV phosphorylation at Thr180 activate MAPKAP kinase 2 ad MEF2 (5-8). SB203580 (ole) is a selective inhibitor of PK and subsequent phospho to the ATP-binding pocket, 0).	s and stress (1-4). wwn as SAPK4) iety of cellular / light, and growth and Tyr182. (3) and to 4-(4- f p38 MAPK. This orylation of HSP27	
Background Refe	2. Ha 3. Le 4. Fr 5. Ra 6. Ze 7. Zh 8. Ya 9. Cu	buse, J. et al. (1994) an, J. et al. (1994) S ee, J.C. et al. (1994) eshney, N.W. et al. aingeaud, J. et al. (19 ervos, A.S. et al. (199) ao, M. et al. (1999) ung, S.H. et al. (1999) unda, A. et al. (1999) unar, S. et al. (1999)	Science 265, 808-1.) Nature 372, 739-4 (1994) Cell 78, 103 1995) J Biol Chem 195) Proc Natl Acad Mol Cell Biol 19, 2 9) Mol Cell Biol 19, 95) FEBS Lett 364,	1. 89-49. 270, 7420-6. <i>I Sci U S A</i> 92, 109 1-30. 4028-38. 229-33.			
Species Reactivity	y Speci	es reactivity is dete	rmined by testing i	n at least one app	roved application (e.g., wes	tern blot).	
Western Blot Buff		RTANT: For wester Tween® 20 at 4°C			ted primary antibody in 5%	w/v BSA, 1X TBS,	

3/23/24, 1:20 PM	p38 MAPK Antibody (#9212) Datasheet Without Images Cell Signaling Technology
Applications Key	WB: Western Blotting IHC-P: Immunohistochemistry (Paraffin) FC-FP: Flow Cytometry (Fixed/Permeabilized)
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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