

## p38 MAPK (D13E1) XP<sup>®</sup> Rabbit mAb (Biotinylated)



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

Applications: W	<b>Reactivity:</b> H M R Hm Mk B Pg	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 40	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q16539, #P53778, #Q15759	<b>Entrez-Gene Id:</b> 1432, 6300, 5600	
Product Usag Information	e	<b>Application</b> Western Blotting			Dilution 1:1000		
		Supplied in 140 mM NaCl, 3 mM KCI, 10 mM sodium phosphate (pH 7.4) dibasic, 2 mM potassium phosphate monobasic, 2 mg/mL BSA, and 50% glycerol. Store at –20°C. <i>Do not aliquot the antibody.</i>					
		p38 MAPK (D13E1) XP <sup>®</sup> Rabbit mAb (Biotinylated) recognizes endogenous levels of total p38α, β, or γ MAPK protein. This antibody does not recognize p38δ, SAPK/JNK, or p44/42 MAPK proteins.					
Species predi based on 100 homology		Chicken					
Source / Puri	fication	Monoclonal antibody i residues near the carb				responding to	
Description		This Cell Signaling Technology antibody is conjugated to biotin under optimal conditions. The biotinylated antibody is expected to exhibit the same species cross-reactivity as the unconjugated p38 MAPK (D13E1) XP <sup>®</sup> Rabbit mAb #8690.					
Background		p38 MAP kinase (MAPI kinase that participate 4). Four isoforms of p3 have been identified. 9 stresses, including osr growth factors (1-5). M Tyr182. Activated p38 phosphorylate the tran fluorophenyl)-2-(4-mei This compound inhibit HSP27 (9). SB203580 in not inhibit phosphoryl	s in a signaling cas 88 MAPK, p38α, β, γ 5imilar to the SAPK notic shock, inflam IKK3, MKK6, and SE MAPK has been sh nscription factors A thylsulfinylphenyl)- the activation of nhibits p38 MAPK c	cade controlling cellul (also known as Erk6 o /JNK pathway, p38 MAI matory cytokines, lipo K activate p38 MAPK b own to phosphorylate TF-2 (5), Max (6), and M 5-(4-pyridyl)-imidazole MAPKAPK-2 by p38 MA atalytic activity by bind	ar responses to cytokir r SAPK3), and $\delta$ (also k PK is activated by a var polysaccharide (LPS), U py phosphorylation at T and activate MAPKAP k /IEF2 (5-8). SB203580 (4 ) is a selective inhibitor .PK and subsequent ph ling to the ATP-binding	nes and stress (1- nown as SAPK4) iety of cellular V light, and Thr180 and tinase 2 (3) and to I-(4- of p38 MAPK. nosphorylation of	
Background I	References	1. Rouse, J. et al. (1994) 2. Han, J. et al. (1994) 3. Lee, J.C. et al. (1994) 4. Freshney, N.W. et al. 5. Raingeaud, J. et al. (1995) 6. Zervos, A.S. et al. (1995) 8. Yang, S.H. et al. (1995) 9. Cuenda, A. et al. (1997) 10. Kumar, S. et al. (1997)	<i>cience</i> 265, 808-11 <i>Nature</i> 372, 739-4 (1994) <i>Cell</i> 78, 103 1995) <i>J Biol Chem</i> 2 995) <i>Proc Natl Acac</i> <i>Mol Cell Biol</i> 19, 2 99) <i>Mol Cell Biol</i> 19, 95) <i>FEBS Lett</i> 364, 2	5. 9-49. 70, 7420-6. / <i>Sci U S A</i> 92, 10531-4. 21-30. 4028-38. 229-33.	25-31.		
Species React	tivity	Species reactivity is de	termined by testin	g in at least one appro	ved application (e.g., w	estern blot).	
Western Blot	Buffer	IMPORTANT: For west TBS, 0.1% Tween® 20			d primary antibody in a	5% w/v BSA, 1X	
Applications	Кеу	W: Western Blotting					
Cross-Reactiv	Cross-Reactivity Key H: Human M: Mouse R: Rat Hm: Hamster Mk: Monkey B: Bovine Pg: Pig						

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