p38a MAPK (L53F8) Mouse mAb



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Applications:Reactivity:WH M R Mk Pg Sc	Sensitivity: Endogenous	MW (kDa): 40	Source/Isotype: Mouse IgG1	UniProt ID: #Q16539	Entrez-Gene Id: 1432
Product Usage Information	Application Western Blotting			Dilution 1:1000	
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. <i>Do not aliquot the antibody.</i>				
Specificity/Sensitivity	p38α MAP Kinase (L53F8) Mouse mAb detects endogenous levels of total p38α MAPK. This antibody does not cross-react with either JNK/SAPK or p42/44 MAPK or other isoforms of p38.				
Source / Purification	Monoclonal antibody is produced by immunizing animals with a recombinant p38 MAPK protein.				
Background	kinase that participate 4). Four isoforms of p3 have been identified. S stresses, including osn growth factors (1-5). M Tyr182. Activated p38 phosphorylate the trar fluorophenyl)-2-(4-met This compound inhibit HSP27 (9). SB203580 ir	s in a signaling cas 18 MAPK, p38α, β, γ Similar to the SAPK, notic shock, inflam IKK3, MKK6, and SEMAPK has been shotscription factors A shylsulfinylphenyl)-is the activation of hibits p38 MAPK c	or CSBP (2), is the mam cade controlling cellular (also known as Erk6 or JNK pathway, p38 MAPk matory cytokines, lipopo K activate p38 MAPK by own to phosphorylate ar TF-2 (5), Max (6), and ME 5-(4-pyridyl)-imidazole) i MAPKAPK-2 by p38 MAP atalytic activity by bindir by upstream kinases (10	responses to cytology (SAPK3), and δ (also (als	kines and stress (1- known as SAPK4) ariety of cellular UV light, and t Thr180 and P kinase 2 (3) and to (4-(4- or of p38 MAPK. phosphorylation of
Background 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. (1902) 6. Zervos, A.S. et al. (1902) 8. Yang, S.H. et al. (1902) 9. Cuenda, A. et al. (1902)	cience 265, 808-11 Nature 372, 739-46 (1994) Cell 78, 103 1995) J Biol Chem 2 (95) Proc Natl Acad (1) Mol Cell Biol 19, 2 (19) Mol Cell Biol 19, 2 (19) FEBS Lett 364, 2	5. 9-49. 70, 7420-6. I <i>Sci U S A</i> 92, 10531-4. 1-30. 4028-38.	5-31.	

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 nonfat

dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting

Cross-Reactivity Key H: Human M: Mouse R: Rat Mk: Monkey Pg: Pig Sc: S. cerevisiae

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