1/1/24, 8:59 AM Revision 1

Phospho-CSF-1R/M-CSF-R (Tyr699) Antibody				Cell Signaling TECHNOLOGY* Orders: 877-616-CELL (2355)	
				Support:	orders@cellsignal.com 877-678-TECH (8324)
3399				Web:	info@cellsignal.com cellsignal.com
6#			3 Trask I	ane Danvers Ma	ssachusetts 01923 USA
For Research Use Only. Not for Use in Diagnostic Procedures.					
Applications: Reacti WB H M		MW (kDa): 175	Source: Rabbit	UniProt ID: #P07333	Entrez-Gene Id: 1436
Product Usage	Application			Dilution	
Information	Western Blotting			1:1000	
Storage	Supplied in 10 mM sodi 20°C. Do not aliquot the		5), 150 mM NaCl, 100) µg/ml BSA and 50%	b glycerol. Store at –
Specificity / Sensitivity	Phospho-CSF-1R/M-CS phosphorylated at Tyr69 including PDGF recepto	99. The antibody m	, ,		-
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues around Tyr699 of human CSF-1R/M-CSF-R. Antibodies are purified by protein A and peptide affinity chromatography.				
Background	Macrophage-colony stin encoded by the <i>c-fms</i> pi their progenitors) and di its receptor induces rece residues used as dockir tyrosine autophosphoryl Phosphorylated Tyr723 Tyr809 provides a docki phenotype in various ce poor outcome in advance	roto-oncogene. M- rives growth and d eptor dimerization, ng sites for SH2-cc lation sites. Tyr723 binds the p85 sub ing site for Shc (5) Il systems (6). The	CSF receptor is expre evelopment of this blo activation, and autop ontaining signaling pro 3 (Tyr721 in mouse) is unit of PI3 kinase as v . Overactivation of this a activated M-CSF rec	essed in monocytes (bod cell lineage (1-3). hosphorylation of cyt teins (4). There are a located in the kinase vell as PLCy2 (5). Ph s receptor can lead to reptor has been show	macrophages and Binding of M-CSF to oplasmic tyrosine at least five major e insert (KI) region. hosphorylation of o a malignant
	Phosphorylation of M-C PhosphoScan [®] , CST's I publication (10). Autoph binding site for the Grb2	LC-MS/MS platform osphorylation at T	n for phosphorylation yr699 in the kinase ins	site discovery, as we	ell as in another
Background References	 Stanley, E.R. et al. (19 Byrne, P.V. et al. (198 Bourette, R.P. and Ro Novak, U. et al. (1996 Bourette, R.P. et al. (1967) Bourette, R.P. et al. (1977) Maher, M.G. et al. (1997) Downing, J.R. et al. (2001) 	 31) J Cell Biol 91, 8 bhrschneider, L.R. b) Oncogene 13, 2 1997) EMBO J 16, 999) Oncogene 18 Gynecol Oncol 80 998) Clin Cancer F J. Leukoc. Biol. 63 	948-53. (2000) Growth Factor 607-13. 5880-93. 5, 3076-84. 9, 194-200. 2es 4, 1851-6. 2, 145-155.	s 17, 155-66.	
Species Reactivity	Species reactivity is dete	ermined by testing	in at least one approv	ed application (e.g., v	western blot).
Western Blot Buffer	IMPORTANT: For wester 0.1% Tween® 20 at 4°C			l primary antibody in	5% w/v BSA, 1X TBS,
Applications Key Cross-Reactivity Key	WB: Western Blotting				

1/1/24, 8:59 AM	Phospho-CSF-1R/M-CSF-R (Tyr699) Antibody (#3399) Datasheet Without Images Cell Signaling Technology 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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