1/1/24, 6:35 AM Revision 1

Phospho-CSF-1R/M-CSF-R (Tyr708) Antibody					Cell Signaling TECHNOLOGY® Orders: 877-616-CELL (2355)		
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++-				3 Trask	Lane Danvers Mas	ssachusetts 01923 USA	
For Research Use Only							
Applications: WB	Reactivity: H M	Sensitivity: Transfected Only	MW (kDa): 175	Source: Rabbit	UniProt ID: #P07333	Entrez-Gene Id: 1436	
Product Usage		Application			Dilution		
Information	١	Vestern Blotting			1:1000		
Storage		upplied in 10 mM sodi 0°C. Do not aliquot the	. ,	, 150 mM NaCl, 10	00 μg/ml BSA and 50%	glycerol. Store at –	
Specificity / Sensitivity		Phospho-CSF-1R/M-CSF-R (Tyr708) Antibody detects transfected levels of CSF-1R/M-CSF-R only when phosphorylated at Tyr708. This antibody may cross-react with other activated protein tyrosine kinases including insulin and EGF receptors.					
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr708 of human CSF-1R/M-CSF-R. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	ei th its re ty P Ty pl Ty T	acrophage-colony stim neoded by the <i>c-fms</i> p leir progenitors) and di s receptor induces recu- ssidues used as dockir rosine autophosphory hosphorylated Tyr723 yr809 provides a docki nenotype in various ce por outcome in advance yr708 (Tyr706 in mous fluence the binding of	roto-oncogene. M-C rives growth and developtor dimerization, a ng sites for SH2-con ation sites. Tyr723 (binds the p85 subur ng site for Shc (5). (Il systems (6). The a red epithelial ovariar	SF receptor is expl velopment of this b activation, and auto taining signaling pr Tyr721 in mouse) i nit of PI3 kinase as Dveractivation of th activated M-CSF re a carcinoma (7) and Cl region of M-CSF	ressed in monocytes (lood cell lineage (1-3). phosphorylation of cyt oteins (4). There are a s located in the kinase well as PLCy2 (5). Ph is receptor can lead to ceptor has been show d breast cancer (8). receptor. Phosphoryla	macrophages and Binding of M-CSF to oplasmic tyrosine at least five major e insert (KI) region. tosphorylation of a malignant <i>n</i> to be a predictor of	
Background Refe		influence the binding of PI3 kinase to the activated M-CSF receptor (9). 1. Stanley, E.R. et al. (1978) <i>Nature</i> 274, 168-70.					
0	2.	Byrne, P.V. et al. (198 Bourette, R.P. and Ro	,		ors 17 155-66		
		Novak, U. et al. (1996			//3 17, 155-00.		
		Bourette, R.P. et al. (2 Morley, G.M. et al. (19					
		Toy, E.P. et al. (2001)					
		Maher, M.G. et al. (19 Downing, J.R. et al. (19					
Species Reactivity	y Sp	ecies reactivity is dete	rmined by testing in	at least one appro	ved application (e.g., v	western blot).	
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Key		WB: Western Blotting					
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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