

3406

Phospho-CSF-1R/M-CSF-R (Tyr923) Antibody



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 175	Source/Isotype: Rabbit	UniProt ID: #P07333	Entrez-Gene Id 1436
Product Usage Information		Application Western Blotting	Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Phospho-CSF-1R/M-CSF-R (Tyr923) Antibody detects endogenous levels of CSF-1R/M-CSF-R only when phosphorylated at Tyr923. The antibody may cross-react with other activated tyrosine kinases including PDGF and FGF receptors.				
Species predic based on 100% homology		Mouse				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues around Tyr923 of human CSF-1R/M-CSF-R. Antibodies are purified by proteir A and peptide affinity chromatography.				
Background		encoded by the <i>c-fms</i> their progenitors) and to its receptor induces tyrosine residues used major tyrosine autoph region. Phosphorylation of Ty to a malignant phenobe a predictor of poor	proto-oncogene. Medicine division of the protocolor on the protocolor of the protoco	I-CSF, CSF-1) receptor is I-CSF receptor is express development of this blotion, activation, and autor SH2-containing signals. Tyr723 (Tyr721 in moup85 subunit of PI3 kinascking site for Shc (5). Over systems (6). The activate ced epithelial ovarian canuman M-CSF receptor varians.	sed in monocytes (no cell lineage (1-3 ophosphorylation o ing proteins (4). Thise) is located in the se as well as PLCy2 eractivation of thised M-CSF receptor bring as demonstrated to the seas demonstrated to the seasons demonst	nacrophages and). Binding of M-CSF if cytoplasmic ere are at least five kinase insert (KI) (5). receptor can lead has been shown to east cancer (8).
		phosphorylated in mouse macrophages in a CSF-1 stimulation dependent manner (10). Phosphorylation of Tyr923 of M-CSF receptor may provide a docking site for Grb2 binding (9).				
Background References		1. Stanley, E.R. et al. (1978) <i>Nature</i> 274, 168-70. 2. Byrne, P.V. et al. (1981) <i>J Cell Biol</i> 91, 848-53. 3. Bourette, R.P. and Rohrschneider, L.R. (2000) <i>Growth Factors</i> 17, 155-66. 4. Novak, U. et al. (1996) <i>Oncogene</i> 13, 2607-13. 5. Bourette, R.P. et al. (1997) <i>EMBO J</i> 16, 5880-93. 6. Morley, G.M. et al. (1999) <i>Oncogene</i> 18, 3076-84. 7. Toy, E.P. et al. (2001) <i>Gynecol Oncol</i> 80, 194-200. 8. Maher, M.G. et al. (1998) <i>Clin Cancer Res</i> 4, 1851-6. 9. Mancini, A. et al. (1997) <i>Oncogene</i> 15, 1565-72. 10. Yu, W. et al. (2008) <i>J Leukoc Biol</i> 84, 852-63.				

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

Applications Key W: Western Blotting

Cross-Reactivity Key

H: Human

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