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## Phospho-CSF-1R/M-CSF-R (Tyr546) Antibody



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

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Applications: W	Reactivity: H M	Sensitivity: Transfected Only	<b>MW (kDa):</b> 175	Source/Isotype: Rabbit	#P07333	Entrez-Gene Id: 1436		
Product Usage Information		ApplicationDilutionWestern Blotting1:1000						
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity/Sens	itivity	Phospho-CSF-1R/M-CSF-R (Tyr546) Antibody detects transfected levels of CSF-1R/M-CSF-R only when phosphorylated at Tyr546. This antibody may cross-react with other tyrosine-phosphorylated protein tyrosine kinases.						
Source / Purifica	ation	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr546 of human CSF-1R/M-CSF-R. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	erences	Macrophage-colony st encoded by the <i>c-fms</i> their progenitors) and to its receptor induces tyrosine residues used major tyrosine autoph region. Phosphorylate Phosphorylation of Tyr to a malignant phenot be a predictor of poor Tyr546 is a major auto Phosphorylation of Tyr binding site for downs 1. Stanley, E.R. et al. (1) 2. Byrne, P.V. et al. (198 3. Bourette, R.P. and R 4. Novak, U. et al. (199 5. Bourette, R.P. et al. (1 7. Toy, E.P. et al. (2001) 8. Maher, M.G. et al. (1) 9. Schubert, C. et al. (2001)	imulating factor (N proto-oncogene. M drives growth and receptor dimeriza- l as docking sites for osphorylation sites d Tyr723 binds the r809 provides a doo ype in various cell outcome in advance phosphorylation si r546 plays an impo tream signaling co 978) Nature 274, 10 31) J Cell Biol 91, 84 ohrschneider, L.R. ( 6) Oncogene 13, 26 1997) EMBO J 16, 5 (998) Oncogene 18 Gynecol Oncol 80, 998) Clin Cancer Re 007) J. Biol. Chem. 271	-CSF, CSF-1) receptor is a -CSF receptor is expressed development of this block cion, activation, and autor or SH2-containing signaling . Tyr723 (Tyr721 in mouse p85 subunit of PI3 kinase king site for Shc (5). Over systems (6). The activated te in the juxtamembrane retant role in the activation mponents (10). 58-70. 8-53. 2000) <i>Growth Factors</i> 17, 507-13. 880-93. , 3076-84. 194-200. 54, 1851-6. 282, 4094-4101. , 24476-24481.	n integral membra ad in monocytes (m od cell lineage (1-3) phosphorylation of ng proteins (4). The e) is located in the e as well as PLCY2 ( ractivation of this r d M-CSF receptor h cinoma (7) and bre domain of the M-C n of M-CSF (9) and 155-66.	ne tyrosine kinase acrophages and . Binding of M-CSF cytoplasmic re are at least five kinase insert (KI) 5). eceptor can lead as been shown to ast cancer (8). CSF receptor. may provide a		
Species Reactivi	ty	Species reactivity is de	termined by testing	g in at least one approved	d application (e.g.,	western blot).		
Western Blot Bu	lffer	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	y	W: Western Blotting						
Cross-Reactivity	' Key	H: Human M: Mouse						
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