mAb

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Cell Signaling CSF-1R/M-CSF-R (E7S2S) Rabbit

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| Applications: Reacti WB H | vity: Sensitivity: Endogenous | MW (kDa): 175 | Source/Isotype: Rabbit IgG | 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 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody. | | | | |
| Specificity / Sensitivity | CSF-1R/M-CSF-R (E7S | 2S) Rabbit mAb | recognizes endogenous | e levels of total CSF-1F | R/M-CSF-R protein. |
| Source / Purification | Monoclonal antibody is residues surrounding G | | - | | esponding to |
| Background | Macrophage-colony stin encoded by the <i>c-fms</i> pi their progenitors) and di its receptor induces reca residues used as dockir tyrosine autophosphoryl Phosphorylated Tyr723 Tyr809 provides a docki phenotype in various ce poor outcome in advance After initial dimerization intramembrane proteoly protein results in release the cytoplasmic domain regulate transcription of processing and down re response to various stin ligand M-CSF (9). | roto-oncogene. N rives growth and eptor dimerization ing sites for SH2 lation sites. Tyr72 binds the p85 sung site for Shc (9 Il systems (6). The ed epithelial ovation and autophosph sis (RIP) involvire of the extracell into the cytosol specific pro-infla- gulation of M-CS | M-CSF receptor is expre development of this bloo n, activation, and autoph containing signaling prot 23 (Tyr721 in mouse) is ibunit of PI3 kinase as w 5). Overactivation of this he activated M-CSF rece arian carcinoma (7) and l orylation, the M-CSF rece ng two cleavage events. ular domain, while cleav (9). The activated intrace ammatory genes (10). Re SF receptor is a continue | ssed in monocytes (ma od cell lineage (1-3). B nosphorylation of cytop eins (4). There are at l located in the kinase in rell as PLC γ 2 (5). Phose receptor can lead to a eptor has been shown breast cancer (8). Extracellular cleavage age in the transmembre ellular domain localizes esearch studies indication process whose rate | acrophages and sinding of M-CSF to plasmic tyrosine least five major nsert (KI) region. sphorylation of a malignant to be a predictor of gulated e of this membrane rane region releases s to the nucleus to te that the e increases in |
| Background References | Stanley, E.R. et al. (1' Byrne, P.V. et al. (198) Bourette, R.P. and Ro Novak, U. et al. (1996) Bourette, R.P. et al. (1996) Morley, G.M. et al. (1997) Maher, M.G. et al. (2001) Wilhelmsen, K. and van de | 1) J Cell Biol 91. hrschneider, L.F. b) Oncogene 13, L997) EMBO J 1 999) Oncogene 2 Gynecol Oncol 8 998) Clin Cancer an der Geer, P. (| , 848-53. R. (2000) Growth Factors 2607-13. 6, 5880-93. 18, 3076-84. 80, 194-200. Res 4, 1851-6. 2004) Mol Cell Biol 24, 4 | 154-64. | |
| Species Reactivity | Species reactivity is dete | rmined by testing | g in at least one approve | ed application (e.g., we | estern blot). |
| Western Blot Buffer | IMPORTANT: For wester 0.1% Tween® 20 at 4°C | | | primary antibody in 5% | % w/v BSA, 1X TBS, |
| Applications Key | WB: Western Blotting | | | | |
| Cross-Reactivity Key | | | | | |

| 1/1/24, 2:00 PM | CSF-1R/M-CSF-R (E7S2S) Rabbit mAb (#14582) 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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