



CSFR (Phospho Tyr921) Rabbit pAb

Catalog No	YP-Ab-17309
Isotype	IgG
Reactivity	Human, Mouse,Rat
Applications	IHC, WB
Gene Name	CSF1R FMS
Immunogen	Synthesized peptide derived from human CSFR (Phospho Tyr921)
Specificity	This antibody detects endogenous levels of CSFR (Phospho Tyr921) Rabbit pAb at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Rabbit, polyclonal
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000 IHC 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C FMS;CD 115;CD115;CD115 antigen;CFMS;Colony stimulating factor 1 receptor;Colony stimulating factor I receptor;CSF 1 R;CSF 1R;CSF-1 receptor;CSF-1-R;CSF1 R;CSF1R;CSF1R_HUMAN;CSFR;EC 2.7.1.1;FIM 2;FIM2;FMS;FMS proto oncogene;FMS protooncogene;HDLS;M-CSF Receptor;M-CSF-R;Macrophage colony stimulating factor 1 receptor;Macrophage colony stimulating factor I receptor;Macrophage colony-stimulating factor 1 receptor;McDonough feline sarcoma viral (v fms) oncogene homolog;MCSFR;Oncogen FMS;Proto-oncogene c-Fms;V-FMS McDonough feline sarcoma viral oncogen homolog;formerly;c-Fms;CSF1R FMS;Macrophage colony-stimulating factor 1 receptor (CSF-1 receptor) (CSF-1-R) (CSF-1R) (M-CSF-R) (EC 2.7.10.1) (Proto-oncogene c-Fms) (CD antigen CD115)
Observed Band	130kD
Calculated Molecular Weight	11~2kDa; 18kD(Calculated).
Cell Pathway	Cell membrane; Single-pass type I membrane protein.
Tissue Specificity	Expressed in bone marrow and in differentiated blood mononuclear cells.



Function

catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Protein tyrosine-kinase transmembrane receptor for CSF1 and IL34.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains., subunit:Interacts with INPPL1/SHIP2 and THOC5.,tissue specificity:Expressed in bone marrow and in differentiated blood mononuclear cells.,

Background

colony stimulating factor 1 receptor(CSF1R) Homo sapiens The protein encoded by this gene is the receptor for colony stimulating factor 1, a cytokine which controls the production, differentiation, and function of macrophages. This receptor mediates most if not all of the biological effects of this cytokine. Ligand binding activates the receptor kinase through a process of oligomerization and transphosphorylation. The encoded protein is a tyrosine kinase transmembrane receptor and member of the CSF1/PDGF receptor family of tyrosine-protein kinases. Mutations in this gene have been associated with a predisposition to myeloid malignancy. The first intron of this gene contains a transcriptionally inactive ribosomal protein L7 processed pseudogene oriented in the opposite direction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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