

c-Fms (phospho Tyr723) Polyclonal Antibody

Catalog No: YP0693

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: c-Fms

Fields: >>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling

pathway;>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>PI3K-Akt signaling pathway;>>Osteoclast

differentiation;>>Hematopoietic cell lineage;>>Pathways in

cancer;>>Transcriptional misregulation in cancer;>>Acute myeloid leukemia

Gene Name: CSF1R

Protein Name: Macrophage colony-stimulating factor 1 receptor

P07333

P09581

Human Gene Id: 1436

Human Swiss Prot

No:

Mouse Gene Id: 12978

Mouse Swiss Prot

No:

Rat Swiss Prot No: Q00495

Immunogen: The antiserum was produced against synthesized peptide derived from human

M-CSF Receptor around the phosphorylation site of Tyr723. AA range:691-740

Specificity: Phospho-c-Fms (Y723) Polyclonal Antibody detects endogenous levels of c-Fms

protein only when phosphorylated at Y723.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source : Polyclonal, Rabbit, IgG

1/3



Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

-15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:**

Observed Band: 130-170kD

Cytokine-cytokine receptor interaction; Endocytosis; Hematopoietic cell **Cell Pathway:**

lineage; Pathways in cancer;

The protein encoded by this gene is the receptor for colony stimulating factor 1, **Background:**

> 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],

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.,

Subcellular

Location:

Cell membrane; Single-pass type I membrane protein.

Expressed in bone marrow and in differentiated blood mononuclear cells. **Expression:**

Tag: orthogonal

Sort: 3889

No2: 3155S

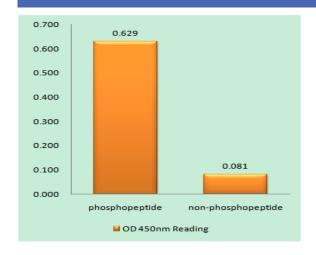


No4: 1

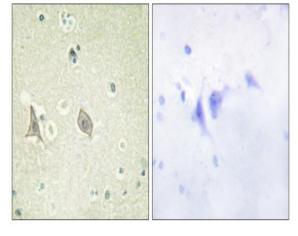
Host: Rabbit

Modifications: Phospho

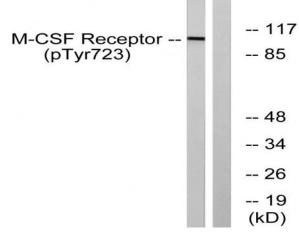
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using M-CSF Receptor (Phospho-Tyr723) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using M-CSF Receptor (Phospho-Tyr723) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HUVEC cells treated with PMA 125ng/ml 30', using M-CSF Receptor (Phospho-Tyr723) Antibody. The lane on the right is blocked with the phospho peptide.