

M-CSF Polyclonal Antibody

YT5553 Catalog No:

Reactivity: Human; Rat; Mouse;

WB;IHC;IF;ELISA **Applications:**

M-CSF Target:

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

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

differentiation;>>Hematopoietic cell lineage;>>TNF signaling

pathway;>>Alzheimer disease;>>Pathways of neurodegeneration - multiple

diseases:>>Rheumatoid arthritis

Gene Name: CSF1

Protein Name: Macrophage colony-stimulating factor 1

P09603

P07141

Human Gene Id: 1435

Human Swiss Prot

No:

Mouse Swiss Prot

No:

The antiserum was produced against synthesized peptide derived from the C-Immunogen:

terminal region of human CSF1. AA range:505-554

Specificity: M-CSF Polyclonal Antibody detects endogenous levels of M-CSF protein.

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

Polyclonal, Rabbit, IgG Source:

WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200 **Dilution:**

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

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

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

Observed Band: 48kD

Cell Pathway: Cytokine-cytokine receptor interaction; Hematopoietic cell lineage;

Background: The protein encoded by this gene is a cytokine that controls the production,

differentiation, and function of macrophages. The active form of the protein is found extracellularly as a disulfide-linked homodimer, and is thought to be produced by proteolytic cleavage of membrane-bound precursors. The encoded protein may be involved in development of the placenta. Alternate splicing results

in multiple transcript variants. [provided by RefSeq, Sep 2011],

Function: function:Granulocyte/macrophage colony-stimulating factors are cytokines that

act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages. CSF-1 induces cells of the monocyte/macrophage lineage. It plays a role in immunological defenses, bone metabolism, lipoproteins clearance, fertility and pregnancy.,PTM:Glycosylation and proteolytic cleavage yield different soluble forms. A high molecular weight soluble form is a proteoglycan containing

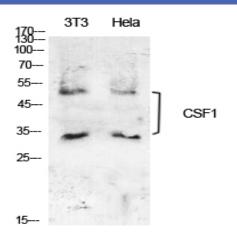
chondroitin sulfate.,PTM:Isoform 1 is N- and O-glycosylated. Isoform 3 is N-glycosylated.,subunit:Homodimer or heterodimer; disulfide-linked.,

Subcellular Cell membrane ; Single-pass type I membrane protein .; [Processed

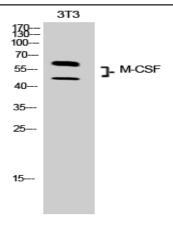
Location: macrophage colony-stimulating factor 1]: Secreted, extracellular space.

Expression: Endometrium, Kidney, Pancreatic carcinoma, Tlymphoblast, Trophoblast, Urine,

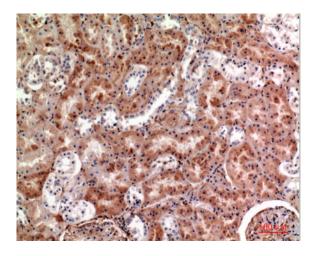
Products Images



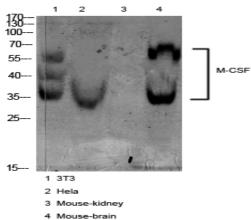
Western Blot analysis of NIH-3T3, Hela cells using M-CSF Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



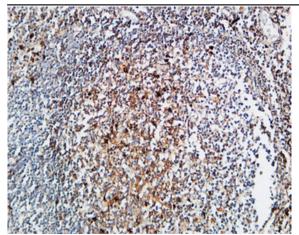
Western Blot analysis of 3T3 cells using M-CSF Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



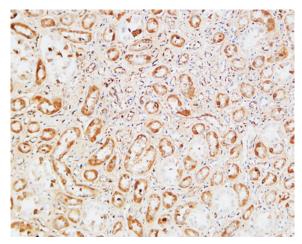
Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100



Western blot analysis of various cell Lysate, antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Human Amygdala. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:200(4° overnight). 2, Highpressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).