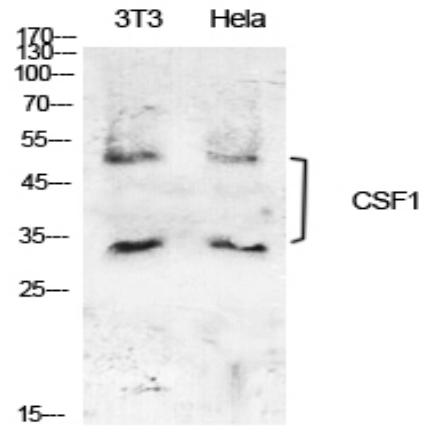
Best Tools for immunology Research

M-CSF Polyclonal Antibody

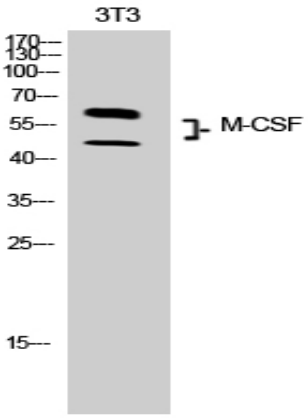
Catalog No :	YT5553
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	M-CSF
Fields :	>>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>PI3K-Akt signaling pathway;>>Osteoclast differentiation;>>Hematopoietic cell lineage;>>TNF signaling pathway;>>Alzheimer disease;>>Pathways of neurodegeneration - multiple diseases;>>Rheumatoid arthritis
Gene Name :	CSF1
Protein Name :	Macrophage colony-stimulating factor 1
Human Gene Id :	1435
Human Swiss Prot No :	P09603
Mouse Swiss Prot No :	P07141
Immunogen :	The antiserum was produced against synthesized peptide derived from the C-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.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200
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 Location :	Cell membrane ; Single-pass type I membrane protein .; [Processed macrophage colony-stimulating factor 1]: Secreted, extracellular space.
Expression :	Endometrium,Kidney,Pancreatic carcinoma,T lymphoblast,Trophoblast,Urine,
Sort :	1
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

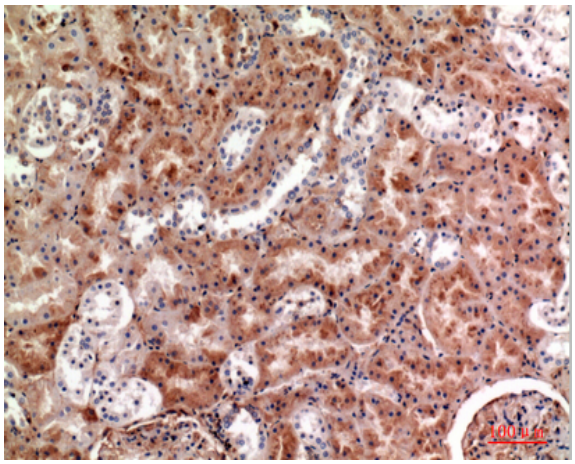
Products Images



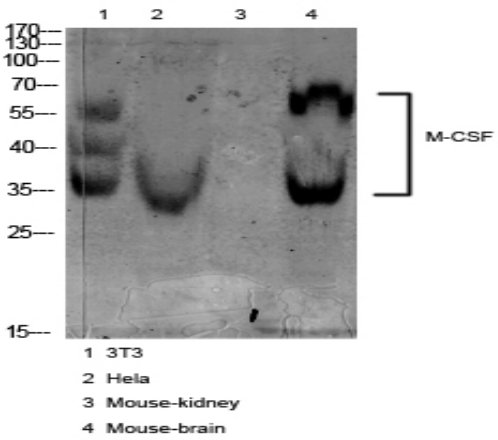
Western Blot analysis of NIH-3T3, Hela cells using M-CSF Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



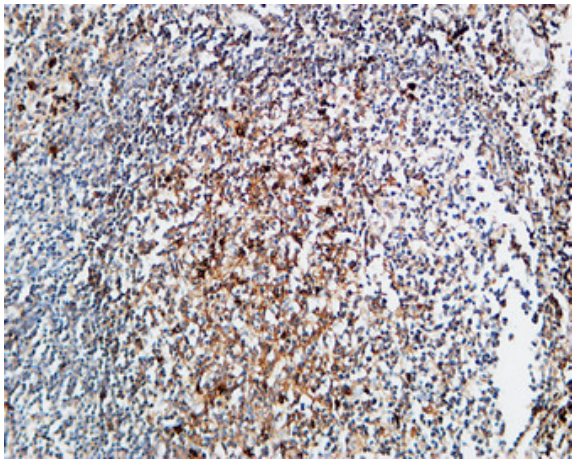
Western Blot analysis of 3T3 cells using M-CSF Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



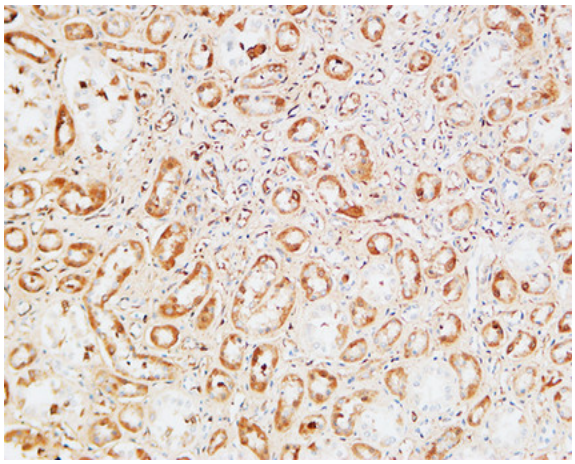
Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100



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, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).