

CD116 Polyclonal Antibody

Catalog No :	YT5262
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	CD116
Fields :	>>Cytokine-cytokine receptor interaction;>>JAK-STAT signaling pathway;>>Hematopoietic cell lineage;>>Pathways in cancer
Gene Name :	CSF2RA
Protein Name :	Granulocyte-macrophage colony-stimulating factor receptor subunit alpha
Human Gene Id :	1438
Human Swiss Prot No :	P15509
Mouse Swiss Prot No :	Q00941
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human CSF2RA. AA range:121-170
Specificity :	CD116 Polyclonal Antibody detects endogenous levels of CD116 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: 1:100-300 ELISA: 1:20000.. 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 : 44kD

Cell Pathway : Cytokine-cytokine receptor interaction;Jak_STAT;Hematopoietic cell lineage;Pathways in cancer;

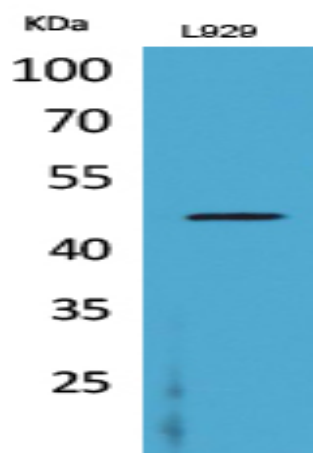
Background : The protein encoded by this gene is the alpha subunit of the heterodimeric receptor for colony stimulating factor 2, a cytokine which controls the production, differentiation, and function of granulocytes and macrophages. The encoded protein is a member of the cytokine family of receptors. This gene is found in the pseudoautosomal region (PAR) of the X and Y chromosomes. Multiple transcript variants encoding different isoforms have been found for this gene, with some of the isoforms being membrane-bound and others being soluble. [provided by RefSeq, Jul 2008],

Function : domain:The box 1 motif is required for JAK interaction and/or activation.,domain:The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.,function:Low affinity receptor for granulocyte-macrophage colony-stimulating factor. Transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells.,miscellaneous:The gene encoding for this protein is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes.,similarity:Belongs to the type I cytokine receptor family. Type 5 subfamily.,subunit:Heterodimer of an alpha and a beta subunit. The beta subunit is common to the IL3, IL5 and GM-CSF receptors.,

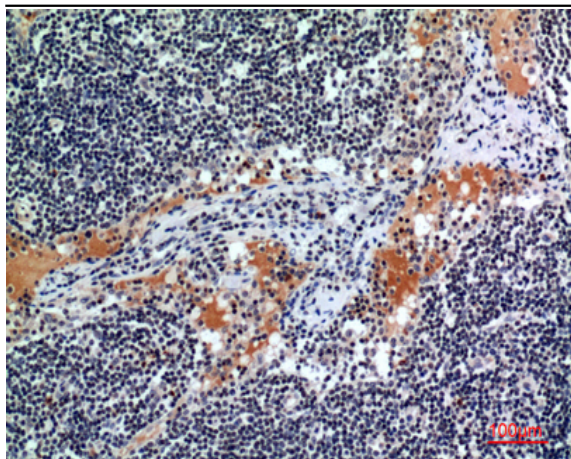
Subcellular Location : Cell membrane; Single-pass type I membrane protein.; [Isoform 3]: Secreted .; [Isoform 4]: Secreted .; [Isoform 6]: Secreted .

Expression : Blood,Placenta,Synovial membrane tissue,Uterus,

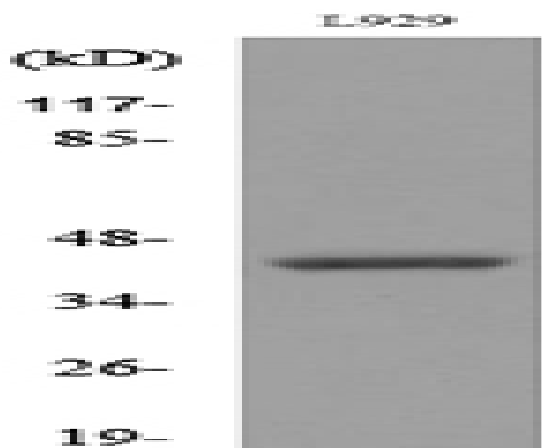
Products Images



Western Blot analysis of L929 cells using CD116 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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



Western blot analysis of lysate from L929 cells, using CSF2RA Antibody.