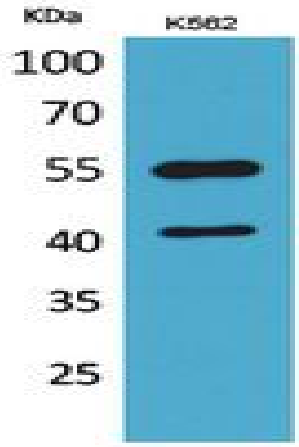
Best Tools for immunology Research

IL-2Rγ Polyclonal Antibody

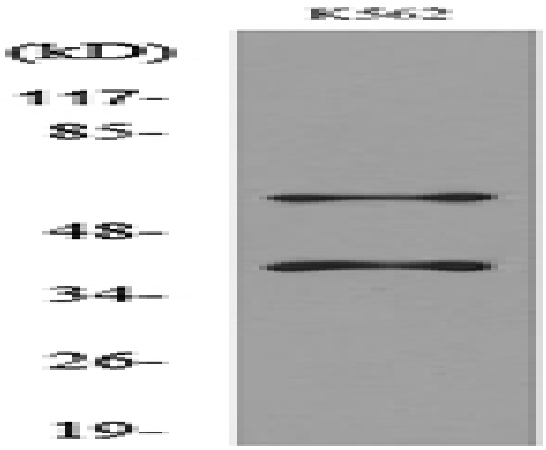
Catalog No :	YT5380
Reactivity :	Human;Mouse
Applications :	WB;ELISA
Target :	IL-2Rγ
Fields :	>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>Endocytosis;>>PI3K-Akt signaling pathway;>>JAK-STAT signaling pathway;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>Measles;>>Human T-cell leukemia virus 1 infection;>>Pathways in cancer;>>Inflammatory bowel disease;>>Primary immunodeficiency
Gene Name :	IL2RG
Protein Name :	Cytokine receptor common subunit gamma
Human Gene Id :	3561
Human Swiss Prot No :	P31785
Mouse Swiss Prot No :	P34902
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human IL2RG. AA range:101-150
Specificity :	IL-2Rγ Polyclonal Antibody detects endogenous levels of IL-2Rγ 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. ELISA: 1:20000. Not yet tested in other applications.
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 :	40kD
Cell Pathway :	Cytokine-cytokine receptor interaction;Endocytosis;Jak_STAT;Primary immunodeficiency;
Background :	The protein encoded by this gene is an important signaling component of many interleukin receptors, including those of interleukin -2, -4, -7 and -21, and is thus referred to as the common gamma chain. Mutations in this gene cause X-linked severe combined immunodeficiency (XSCID), as well as X-linked combined immunodeficiency (XCID), a less severe immunodeficiency disorder. [provided by RefSeq, Mar 2010],
Function :	disease:Defects in IL2RG are the cause of X-linked combined immunodeficiency (XCID) [MIM:312863]. XCID is a less severe form of X-linked immunodeficiency with a less severe degree of deficiency in cellular and humoral immunity than that seen in XSCID.,disease:Defects in IL2RG are the cause of X-linked severe combined immunodeficiency (XSCID) [MIM:300400]; also known as agammaglobulinemia Swiss type. SCID refers to a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients with SCID present in infancy with recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development.,domain:The box 1 motif is required for JAK inte
Subcellular Location :	Cell membrane ; Single-pass type I membrane protein . Cell surface .
Expression :	B-cell,Liver,Peripheral blood,

Products Images



Western Blot analysis of K562 cells using IL-2Rγ Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysate from K562 cells, using IL2RG Antibody.