

IL-2Rβ (phospho Tyr364) Polyclonal Antibody

Catalog No :	YP0370
Reactivity :	Human;Mouse;Rat;Monkey
Applications :	WB;ELISA
Target :	IL-2Rβ
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;>>Transcriptional misregulation in cancer
Gene Name :	IL2RB
Protein Name :	Interleukin-2 receptor subunit beta
Human Gene Id :	3560
Human Swiss Prot	P14784
No : Mouse Gene Id :	16185
Mouse Swiss Prot	P16297
No : Rat Gene Id :	25746
Rat Swiss Prot No :	P26896
Immunogen :	The antiserum was produced against synthesized peptide derived from human IL-2R beta/CD122 around the phosphorylation site of Tyr364. AA range:331-380
Specificity :	Phospho-IL-2Rβ (Y364) Polyclonal Antibody detects endogenous levels of IL-2Rβ protein only when phosphorylated at Y364.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.



Best Tools for immunology Research	
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-
	chromatography using epitope-specific immunogen.
Concentration ·	1 ma/ml
Storago Stability	15° C to 25° C/1 year/Do not lower than 25° C)
Storage Stability.	
Observed Band :	/5KD
Cell Pathway :	Cytokine-cytokine receptor interaction;Endocytosis;Jak_STAT;
Background :	The interleukin 2 receptor, which is involved in T cell-mediated immune
	responses, is present in 3 forms with respect to ability to bind interleukin 2. The
	low affinity form is a monomer of the alpha subunit and is not involved in signal
	transduction. The intermediate attinity form consists of an alpha/beta subunit
	heterodimer, while the high anihity form consists of an alpha/beta/gamma subunit
	involved in recentor-mediated endocytosis and transduction of mitogenic signals
	from interleukin 2. The protein encoded by this gene represents the beta subunit
	and is a type I membrane protein. The use of alternative promoters results in
	multiple transcript variants encoding the same protein. The protein is primarily
	expressed in the hematopoietic system. The use by some variants of an alternate
	promoter in an up
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:Receptor for interleukin-2. This beta subunit is involved in
	receptor mediated endocytosis and transduces the mitogenic signals of
	IL2., similarity: Belongs to the type I cytokine receptor family. Type 4
	subfamily., similarity: Contains 1 fibronectin type-III domain., subunit: Non-covalent
	affinity dimor, an intermediate affinity menamer (beta chain), and a low affinity
	monomer (alpha chain). The high and intermediate affinity forms also associate
	with a gamma chain. Interacts with SHB upon interleukin stimulation. Interacts
	with HTLV-1 accessory protein p12I
Subcellular	Cell membrane : Single-pass type I membrane protein
Location ·	
	Lung
Expression :	Lung,
Contra	9405
50rt :	





