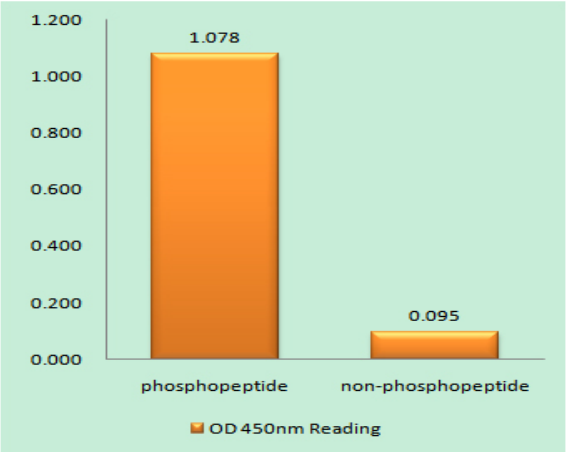
Best Tools for immunology Research

IL-2Rα (phospho Ser268) Polyclonal Antibody

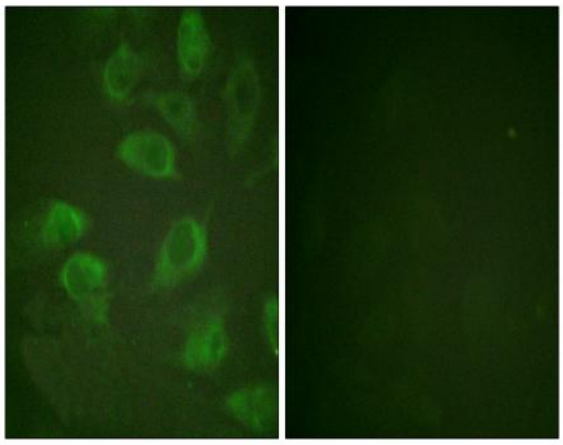
Catalog No :	YP0559
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	IL-2Rα
Fields :	>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>Endocytosis;>>PI3K-Akt signaling pathway;>>JAK-STAT signaling pathway;>>Hematopoietic cell lineage;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>Measles;>>Human T-cell leukemia virus 1 infection;>>Pathways in cancer
Gene Name :	IL2RA
Protein Name :	Interleukin-2 receptor subunit alpha
Human Gene Id :	3559
Human Swiss Prot No :	P01589
Mouse Swiss Prot No :	P01590
Immunogen :	The antiserum was produced against synthesized peptide derived from human IL-2R alpha/CD25 around the phosphorylation site of Ser268. AA range:223-272
Specificity :	Phospho-IL-2Rα (S268) Polyclonal Antibody detects endogenous levels of IL-2Rα protein only when phosphorylated at S268.
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. IF 1:200 - 1:1000. 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 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	55kD
Cell Pathway :	Cytokine-cytokine receptor interaction;Endocytosis;Jak_STAT;Hematopoietic cell lineage;
Background :	The interleukin 2 (IL2) receptor alpha (IL2RA) and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (IL2RA) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolyisis. Alternately-spliced IL2RA mRNAs have been isolated, but the significance of each is presently unknown. Mutations in this gene are associated with interleukin 2 receptor alpha deficiency.[provided by RefSeq, Nov 2009],
Function :	disease:Genetic variations in IL2RA are associated with susceptibility to insulin-dependent diabetes mellitus type 10 (IDDM10) [MIM:601942].,function:Receptor for interleukin-2.,online information:IL2RA mutation db,similarity:Contains 2 Sushi (CCP/SCR) domains.,subunit:Non-covalent dimer of an alpha and a beta chains. IL2R exists in 3 different forms: a high affinity dimer, an intermediate affinity monomer (beta chain), and a low affinity monomer (alpha chain). The high and intermediate affinity forms also associate with a gamma chain.,
Subcellular Location :	Membrane; Single-pass type I membrane protein.
Expression :	Thymus,
Sort :	8491
No4 :	1
Host :	Rabbit
Modifications :	Phospho

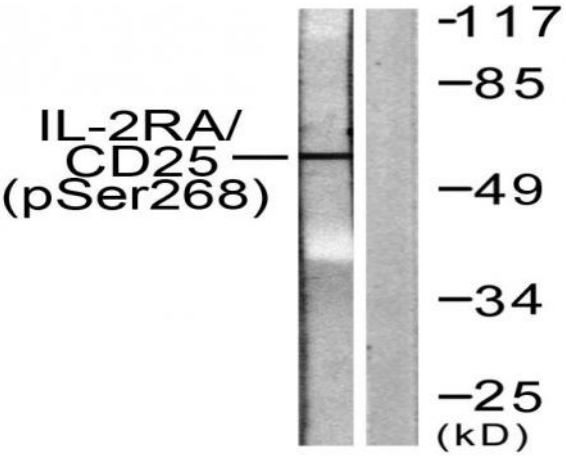
Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IL-2R alpha/CD25 (Phospho-Ser268) Antibody



Immunofluorescence analysis of HeLa cells, using IL-2R alpha/CD25 (Phospho-Ser268) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from LOVO cells, using IL-2R alpha/CD25 (Phospho-Ser268) Antibody. The lane on the right is blocked with the phospho peptide.