

IL-2Rα (phospho Ser268) Polyclonal Antibody

Catalog No: YP0559

Reactivity: Human; Rat; Mouse;

Applications: WB;IHC;IF;ELISA

Target: IL-2Ra

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;>>Hematopoietic cell lineage;>>Human T-

cell leukemia virus 1 infection;>>Pathways in cancer

Gene Name: IL2RA

Protein Name: Interleukin-2 receptor subunit alpha

P01589

P01590

Human Gene Id: 3559

Human Swiss Prot

No:

Mouse Swiss Prot

No:

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-2Ra (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,

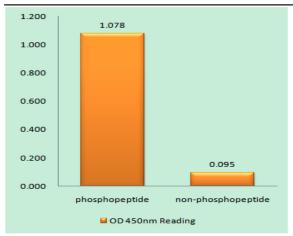
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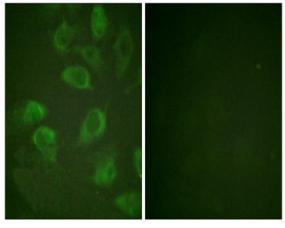
Host: Rabbit

Modifications: Phospho

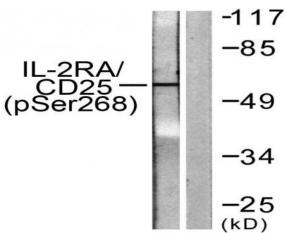
Products Images



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.