

**Product Name: IL-2R $\alpha$  (phospho Ser268) Rabbit Polyclonal Antibody**  
**Catalog #: APRab04837**

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## Summary

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|------------------------|------------------------------------------------------------|
| <b>Production Name</b> | IL-2R $\alpha$ (phospho Ser268) Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody                                 |
| <b>Host</b>            | Rabbit                                                     |
| <b>Application</b>     | WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA                            |
| <b>Reactivity</b>      | Human,Rat,Mouse                                            |

## Performance

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                             |
| <b>Modification</b> | Phospho Antibody                                                                         |
| <b>Isotype</b>      | IgG                                                                                      |
| <b>Clonality</b>    | Polyclonal                                                                               |
| <b>Form</b>         | Liquid                                                                                   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.       |
| <b>Purification</b> | Affinity purification                                                                    |

## Immunogen

|                          |                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | IL2RA                                                                                                                                                         |
| <b>Alternative Names</b> | IL2RA; Interleukin-2 receptor subunit alpha; IL-2 receptor subunit alpha; IL-2-RA; IL-2R subunit alpha; IL2-RA; TAC antigen; p55; CD antigen CD25             |
| <b>Gene ID</b>           | 3559.0                                                                                                                                                        |
| <b>SwissProt ID</b>      | P01589.The antiserum was produced against synthesized peptide derived from human IL-2R alpha/CD25 around the phosphorylation site of Ser268. AA range:223-272 |

## Application

|                       |                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Dilution Ratio</b> | WB 1:500-1:2000, IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:10000.Not yet tested in other applications. |
|-----------------------|------------------------------------------------------------------------------------------------------------------------|

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**Molecular Weight** 55kDa

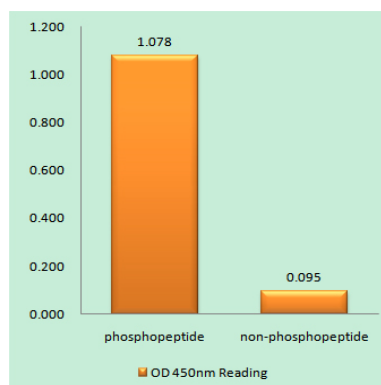
## Background

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 proteolysis. 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],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.,

## Research Area

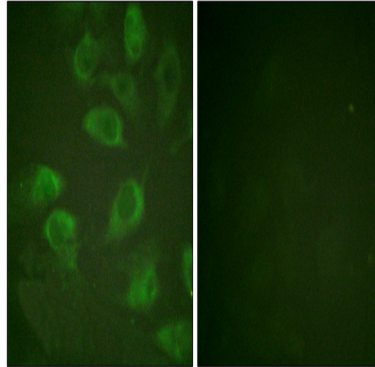
Cytokine-cytokine receptor interaction;Endocytosis;Jak\_STAT;Hematopoietic cell lineage;

## Image Data

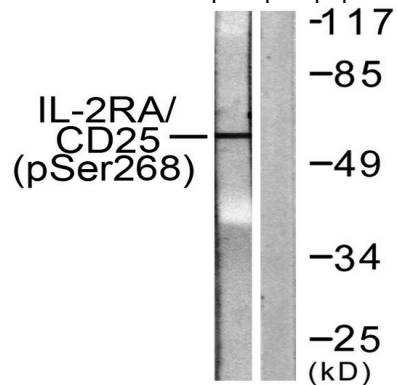


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using IL-2R alpha/CD25 (Phospho-Ser268) Antibody

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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.

## Note

For research use only.