# I12R2 Polyclonal Antibody

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| **Catalog No** | YP-Ab-06621 |
| **Isotype** | IgG |
| **Reactivity** | Human;Mouse |
| **Applications** | WB;ELISA |
| **Gene Name** | IL12RB2 |
| **Protein Name** | Interleukin-12 receptor subunit beta-2 (IL-12 receptor subunit beta-2) (IL-12R subunit beta-2) (IL-12R-beta-2) (IL-12RB2) |
| **Immunogen** | Synthesized peptide derived from human protein . at AA range: 270-350 |
| **Specificity** | I12R2 Polyclonal Antibody detects endogenous levels of protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. |
| **Source** | Polyclonal, Rabbit,IgG |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB 1:500-2000 ELISA 1:5000-20000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | |
| **Observed Band** | 94kD |
| **Cell Pathway** | Membrane; Single-pass type I membrane protein. |
| **Tissue Specificity** | Isoform 2 is expressed at similar levels in both naive and activated T-cells. |
| **Function** | developmental stage:Maximum levels in Th1 cells between day 3 and day 8 of activation.,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-12. This subunit is the signaling component coupling to the JAK2/STAT4 pathway. Promotes the proliferation of T-cells as well as NK cells. Induces the promotion of T-cells towards the Th1 phenotype by strongly enhancing IFN-gamma production.,induction:In vitro, up-regulated by interferon alpha.,polymorphism:Heterozygotic variants Gly-313 and Arg-720 are associated with atopy, an immunological condition that can lead to clinical symptoms such as allergic rhinitis, sinusitis, asthma and eczema.,PTM:On IL12 binding, phosphorylated on C-terminal ty |
| **Background** | interleukin 12 receptor subunit beta 2(IL12RB2) Homo sapiens The protein encoded by this gene is a type I transmembrane protein identified as a subunit of the interleukin 12 receptor complex. The coexpression of this and IL12RB1 |

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| | proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The expression of this gene is up-regulated by interferon gamma in Th1 cells, and plays a role in Th1 cell differentiation. The up-regulation of this gene is found to be associated with a number of infectious diseases, such as Crohn's disease and leprosy, which is thought to contribute to the inflammatory response and host defense. Several transcript variants encoding different isoforms and non-protein coding transcripts have been found for this gene. [provided by RefSeq, Apr 2012], |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images