

## I12R2 Polyclonal Antibody

<b>Catalog No :</b>	YN1754
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	I12R2
<b>Fields :</b>	>>Cytokine-cytokine receptor interaction;>>JAK-STAT signaling pathway;>>Th1 and Th2 cell differentiation;>>Pathways in cancer;>>Inflammatory bowel disease
<b>Gene Name :</b>	IL12RB2
<b>Protein Name :</b>	Interleukin-12 receptor subunit beta-2 (IL-12 receptor subunit beta-2) (IL-12R subunit beta-2) (IL-12R-beta-2) (IL-12RB2)
<b>Human Gene Id :</b>	3595
<b>Human Swiss Prot No :</b>	Q99665
<b>Mouse Swiss Prot No :</b>	P97378
<b>Immunogen :</b>	Synthesized peptide derived from human protein . at AA range: 270-350
<b>Specificity :</b>	I12R2 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml

<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	94kD
<b>Cell Pathway :</b>	Cytokine-cytokine receptor interaction;Jak_STAT;
<b>Background :</b>	<p>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 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],</p>
<b>Function :</b>	<p>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</p>
<b>Subcellular Location :</b>	Membrane; Single-pass type I membrane protein.
<b>Expression :</b>	Isoform 2 is expressed at similar levels in both naive and activated T-cells.

## Products Images