I12R2 Polyclonal Antibody

Catalog No	YP-Ab-06621
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	IL12RB2
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	IL-12R subunit beta-2;IL-12RB2;IL-12R-beta-2;I12R2;IL12RB2;Interleukin-12 receptor subunit beta-2 (IL-12 receptor subunit beta-2) (IL-12R subunit beta-2) (IL-12R-beta-2) (IL-12RB2)
Observed Band	94kD
Calculated Molecular Weight	97 kDa
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 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.

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