

Product datasheet for **AP01360PU-N**

IL4R Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	Western Blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 460-510 of Human IL-4R α .
Specificity:	This antibody detects endogenous levels of IL-4R-alpha protein. (region surrounding Gly493)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~88.0 kDa
Gene Name:	interleukin 4 receptor
Database Link:	Entrez Gene 3566 Human P24394



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Background:

IL4 Receptor alpha (IL4RA) is the alpha chain of the interleukin 4 receptor which binds to both interleukin 4 and interleukin 13 to regulate IgE production, chemokine and mucus production at sites of allergic inflammation. The IL4 response is involved in promoting Th2 differentiation. The secreted extracellular domain of IL4R alpha, called sIL4R alpha, can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. It has no signaling abilities. Allelic variations in the IL4RA gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema.

Synonyms:

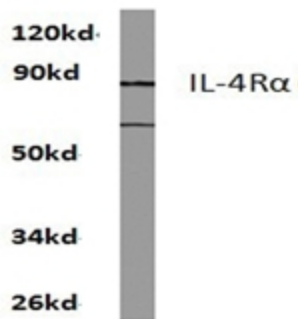
Interleukin-4 receptor alpha chain, IL-4R-alpha, IL4RA, 582J2.1, IL4 Receptor alpha

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Jak-STAT signaling pathway

Product images:

Western blot (WB) analysis of IL-4RA antibody in extracts from A549 cells at 1/500 dilution.