

## Anti-IL4R Rabbit pAb

Purified Rabbit Polyclonal Antibody

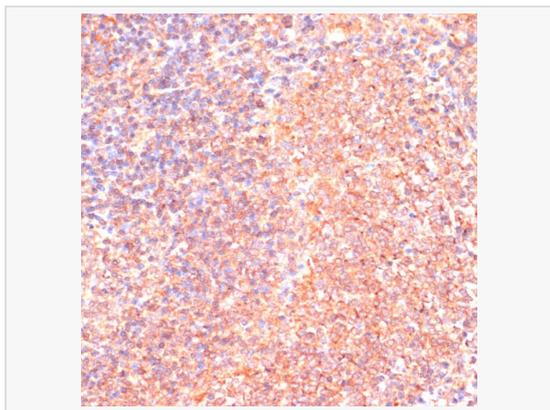
Catalog # P102212

### Product Information

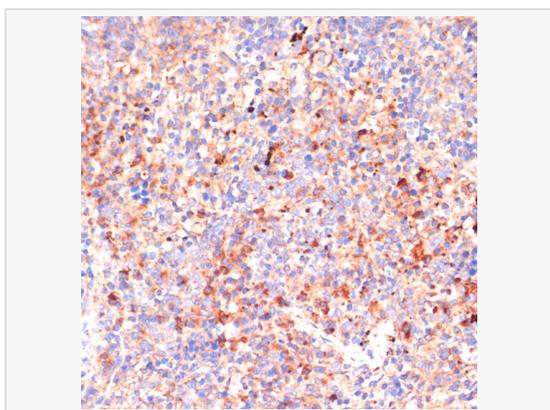
Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2,000; IHC-P 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 26-232 of human IL4R (NP_000409.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IL4R Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

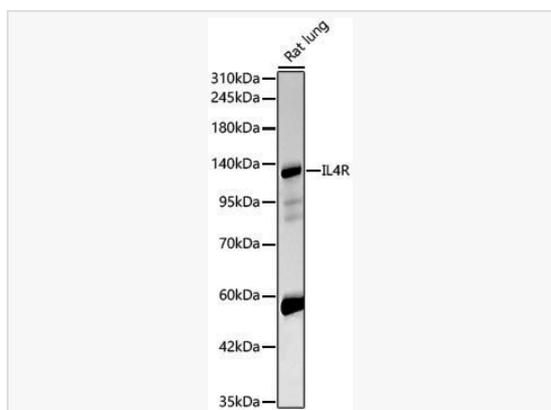
Synonyms	CD124; IL4RA; IL-4RA; IL4R.
Calculated MW	Calculated MW: 90 kDa; Observed MW: 140 kDa
Uniprot ID	P24394
Gene ID	3566
Background	This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema. Polymorphisms in this gene are also associated with resistance to human immunodeficiency virus type-1 infection. Alternate splicing results in multiple transcript variants.



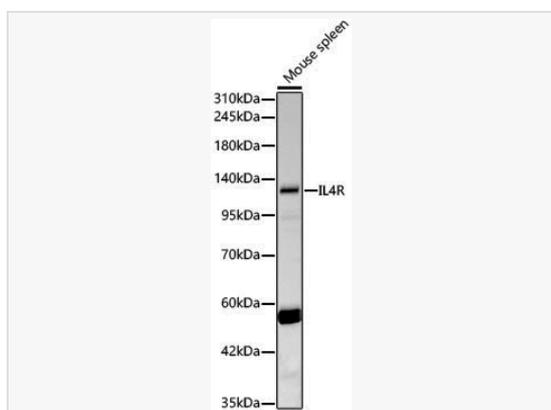
Immunohistochemistry analysis of paraffin-embedded Rat spleen using IL4R Rabbit pAb (P102212) at dilution of 1:100 (40 $\times$  lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen using IL4R Rabbit pAb (P102212) at dilution of 1:100 (40 $\times$  lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Western blot analysis of lysates from Rat lung, using IL4R Rabbit pAb (P102212) at 1:500 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Kit.  
Exposure time: 30s.



Western blot analysis of lysates from Mouse spleen, using IL4R Rabbit pAb (P102212) at 1:500 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Kit.  
Exposure time: 60s.