



Datasheet for ABIN7268001
anti-IL4 Receptor antibody (AA 26-232)



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3 Images

Overview

Quantity:	100 µL
Target:	IL4 Receptor (IL4R)
Binding Specificity:	AA 26-232
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL4 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	IL4R Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 26-232 of human IL4R (NP_000409.1).
Sequence:	MKVLQEPTCV SDYMSISTCE WKMNGPTNCS TELRLLYQLV FLLSEAHTCI PENNGGAGCV CHLLMDDVVS ADNYTLDLWA GQQLLWKGSF KPSEHVKPRP PGNLTVHTNV SDTLLLTWSN PYPPDNYLYN HLTYAVNIWS ENDPADFRIY NVTYLEPSLR IAASTLKSGI SYRARVRAWA QCYNTTWSEW SPSTKWHNSY REPFEQH
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: IL4 Receptor (IL4R)

Alternative Name: IL4R ([IL4R Products](#))

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.,IL4R,CD124,IL-4RA,IL4RA,Cancer,Tumor immunology,Immunology & Inflammation,CD markers,Cytokines,Interleukins,Cell Intrinsic Innate Immunity Signaling Pathway,IL4R

Molecular Weight: 25kDa/88kDa/89kDa

Gene ID: 3566

UniProt: [P24394](#)

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

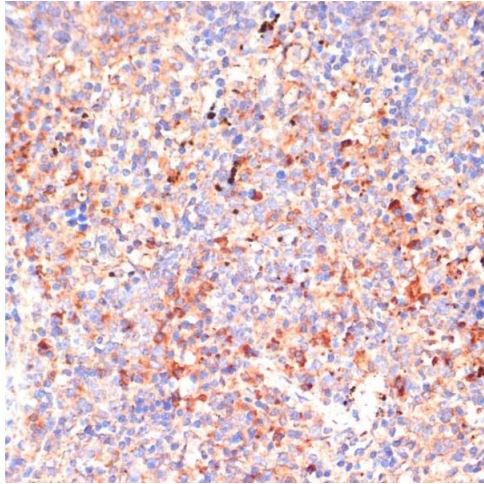
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

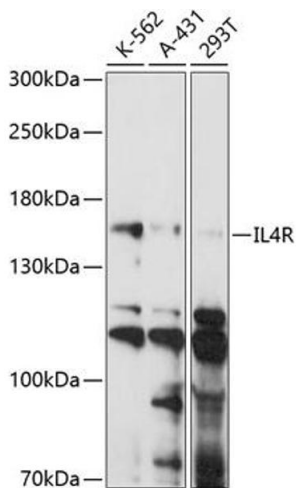
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



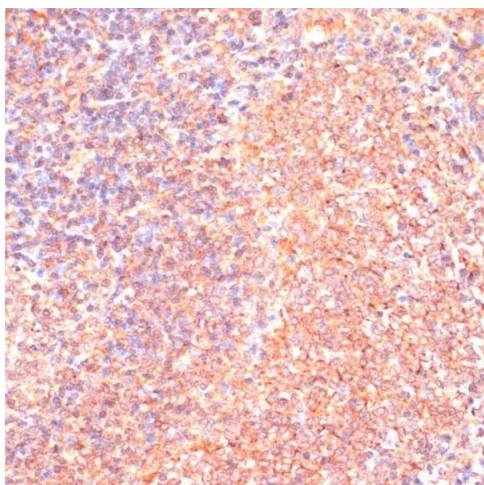
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse spleen using IL4R antibody (ABIN7268001) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using IL4R antibody (ABIN7268001) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat spleen using IL4R antibody (ABIN7268001) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.