

Datasheet for ABIN7215426
anti-IL4 Receptor antibody



[Go to Product page](#)

2 Images

Overview

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|--------------|---|
| Quantity: | 100 µL |
| Target: | IL4 Receptor (IL4R) |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IL4 Receptor antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF) |

Product Details

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| Purpose: | IL-4Ra Polyclonal Antibody |
| Immunogen: | Synthesized peptide derived from human IL-4Ra α around the non-phosphorylation site of Y497 |
| Isotype: | IgG |
| Specificity: | IL-4Ra Polyclonal Antibody detects endogenous levels of IL-4Ra protein. |
| Purification: | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen |

Target Details

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| Target: | IL4 Receptor (IL4R) |
| Alternative Name: | IL-4R α (IL4R Products) |

Target Details

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|-------------------|---|
| Background: | Rabbit Anti-IL-4R α Polyclonal Antibody,IL4R, IL4RA, 582J2.1, Interleukin-4 receptor subunit alpha, IL-4 receptor subunit alpha, IL-4R subunit alpha, IL-4R-alpha, IL-4RA, CD antigen CD124,IL4R 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. Interleukin-4 receptor subunit alpha 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.,Interleukin-4 receptor subunit alpha |
| Molecular Weight: | observed band 90kDa |
| Gene ID: | 3566 |
| UniProt: | P24394 |
| Pathways: | JAK-STAT Signaling , Positive Regulation of Immune Effector Process |

Application Details

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| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:200-1:1000), ELISA (1:20000). Not yet tested in other applications. |
| Comment: | Primary Antibody |
| Restrictions: | For Research Use only |

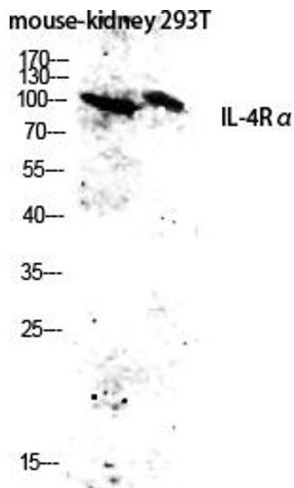
Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |

Handling

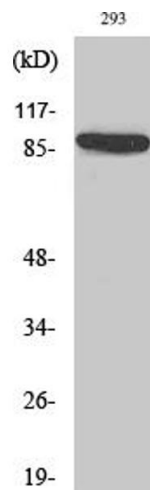
Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of Mouse-kidney, 293T lysate using IL-4Ra antibody. Antibody was diluted at 1:2000.



Western Blotting

Image 2. Western Blot analysis of various cells using IL-4Ra Polyclonal Antibody diluted at 1:2000.