Datasheet for ABIN1944783

anti-IL4 Receptor antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	IL4 Receptor (IL4R)
Binding Specificity:	AA 677-691, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL4 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This IL4R antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 677-691 amino acids from the C-terminal region of human IL4R.
Clone:	RB48074
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	IL4 Receptor (IL4R)
Alternative Name:	IL4R (IL4R Products)
Background:	Receptor for both interleukin 4 and interleukin 13. Couples to the JAK1/2/3-STAT6 pathway.

Target Details

	The IL4 response is involved in promoting Th2 differentiation. The IL4/IL13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation. In certain cell types, can signal through activation of insulin receptor substrates, IRS1/IRS2.
Molecular Weight:	89658
Gene ID:	3566
UniProt:	P24394
Pathways:	JAK-STAT Signaling, Positive Regulation of Immune Effector Process

Application Details

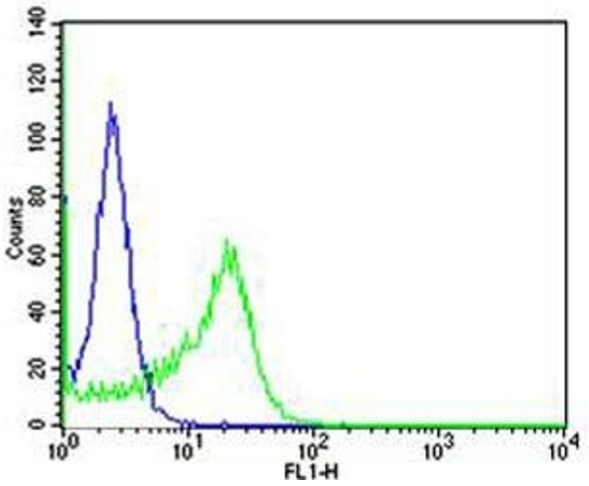
Application Notes:	WB: 1:1000. FC: 1:25
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Expiry Date:	6 months

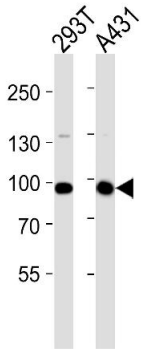
Publications

Product cited in:	Yang, Purdy, Marzluff, Dominski: "Characterization of 3'hExo, a 3' exonuclease specifically interacting with the 3' end of histone mRNA." in: **The Journal of biological chemistry**, Vol. 281, Issue 41, pp. 30447-54, (2006) (PubMed). Kennedy, Wang, Ruvkun: "A conserved siRNA-degrading RNase negatively regulates RNA interference in C. elegans." in: **Nature**, Vol. 427, Issue 6975, pp. 645-9, (2004) (PubMed).



Flow Cytometry

Image 1. Flow cytometric analysis of Ramos cells using IL4R Antibody (C-term)(green, Cat(ABIN1944783 and ABIN2838524)) compared to an isotype control of rabbit IgG(blue). (ABIN1944783 and ABIN2838524) was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody.



Western Blotting

Image 2. Western blot analysis of lysates from 293T, A431 cell line (from left to right), using IL4R Antibody (C-term) (ABIN1944783 and ABIN2838524). (ABIN1944783 and ABIN2838524) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.