Datasheet for ABIN6142376

anti-IL2 Receptor beta antibody (AA 27-240)

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2 Images

Overview

Quantity:	100 µL
Target:	IL2 Receptor beta (IL2RB)
Binding Specificity:	AA 27-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL2 Receptor beta antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 27-240 of human IL2RB (NP_000869.1).
Sequence:	AVNGTSQFTC FYNSRANISC VWSQDGALQD TSCQVHAWPD RRRWNQTCEL LPVSQASWAC NLILGAPDSQ KLTTVDIVTL RVLCREGVRW RVMAIQDFKP FENLRLMAPI SLQVVHVETH RCNISWEISQ ASHYFERHLE FEARTLSPGH TWEEAPLLTL KQKQEWICLE TLTPDTQYEF QVRVKPLQGE FTTWSPWSQP LAFRTKPAAL GKDT
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

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Target Details

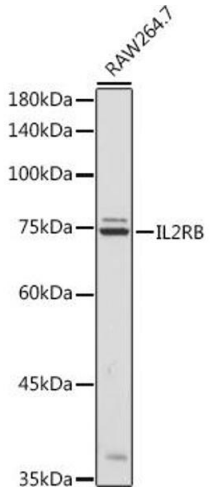
Target:	IL2 Receptor beta (IL2RB)
Alternative Name:	IL2RB (IL2RB Products)
Background:	The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2. The protein encoded by this gene represents the beta subunit and is a type I membrane protein.,IL2RB,CD122,IL15RB,P70-75,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology & Developmental Biology,Apoptosis,Immunology & Inflammation,CD markers,Cytokines,Interleukins,Cell Intrinsic Innate Immunity Signaling Pathway,Stem Cells,Hematopoietic Progenitors,IL2RB
Molecular Weight:	61 kDa
Gene ID:	3560
UniProt:	P14784
Pathways:	JAK-STAT Signaling, Growth Factor Binding

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

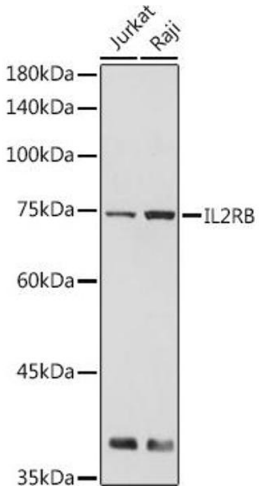
Handling

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



Western Blotting

Image 1. Western blot analysis of extracts of R.7 cells, using IL2RB antibody (ABIN6127567, ABIN6142376, ABIN6142377 and ABIN6221796) at 1:500 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: 30s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using IL2RB antibody (ABIN6127567, ABIN6142376, ABIN6142377 and ABIN6221796) at 1:500 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: 10s.