

Anti-IL2RB Antibody

Catalog # ABO10929

Product Information

Application	WB
Primary Accession	P14784
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Interleukin-2 receptor subunit beta(IL2RB) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	3560
Other Names	Interleukin-2 receptor subunit beta, IL-2 receptor subunit beta, IL-2R subunit beta, IL-2RB, High affinity IL-2 receptor subunit beta, p70-75, p75, CD122, IL2RB
Calculated MW	61117
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Interleukin-2 receptor subunit beta(IL-2 receptor subunit beta/IL-2R subunit beta/IL-2RB)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human IL2RB (117-135aa RVMAIQDFKPFENLRMAP).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the type I cytokine receptor family. Type 4 subfamily.

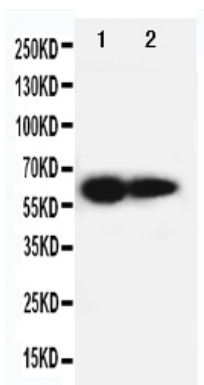
Protein Information

Name	IL2RB (HGNC:6009)
Function	Receptor for interleukin-2. This beta subunit is involved in receptor mediated endocytosis and transduces the mitogenic signals of IL2. Probably in association with IL15RA, involved in the stimulation of neutrophil phagocytosis by IL15 (PubMed: 15123770 , PubMed: 31040185).
Cellular Location	Cell membrane; Single-pass type I membrane protein

Background

IL2RB(INTERLEUKIN 2 RECEPTOR, BETA),also called CD122, is a protein that in humans is encoded by the IL2RB gene. The gene represents the beta subunit and is a type I membrane protein. IL2RB is mapped to 22q12.3. The IL2RB gene contains 10 exons spanning about 24.3 kb and that the gene product is encoded by exons 2-10. The IL2 receptor is present in 3 forms with respect to binding ability to IL2: high, intermediate, and low affinity forms. Analysis of mutants of the beta chain of the IL2 receptor reveals that the granulocyte and monocyte differentiation signals are triggered by different cytoplasmic domains, showing that the signaling pathways responsible for these unique developmental outcomes are separable.

Images



Anti-IL2RB antibody, ABO10929, Western blotting
Lane 1: PANC Cell Lysate
Lane 2: HELA Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.