

Anti-IL2 Receptor Gamma Antibody

Catalog # ABO10930

Product Information

Application	WB
Primary Accession	P31785
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Cytokine receptor common subunit gamma(IL2RG) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	3561
Other Names	Cytokine receptor common subunit gamma, Interleukin-2 receptor subunit gamma, IL-2 receptor subunit gamma, IL-2R subunit gamma, IL-2RG, gammaC, p64, CD132, IL2RG
Calculated MW	42287
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Cytokine receptor common subunit gamma
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 IL2 Receptor gamma(88-102aa HYWYKNSDNDKVQKC).
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 5 subfamily.

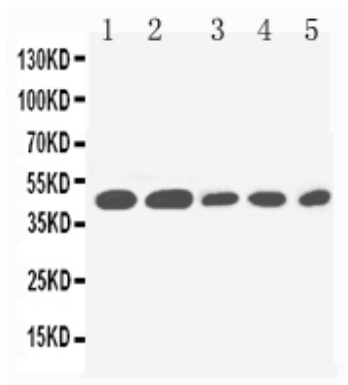
Protein Information

Name	IL2RG
Function	Common subunit for the receptors for a variety of interleukins. Probably in association with IL15RA, involved in the stimulation of neutrophil phagocytosis by IL15 (PubMed: 15123770).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell surface

Background

IL2RG(INTERLEUKIN 2 RECEPTOR, GAMMA),also known as Common gamma chain or CD132, is a cytokine receptor sub-unit that is common to the receptor complexes for at least six different interleukin receptors:IL-2, IL-4, IL-7, IL-9, IL-15 and interleukin-21 receptor. IL2RG is a member of the type I cytokine receptor family expressed on most lymphocyte(white blood cell) populations, and its gene is found on the X-chromosome of mammals. By fluorescence in situ hybridization and PCR amplification of somatic cell hybrid DNAs, The IL2RG gene is mapped to Xq13.1. The IL2RG gene contains 8 exons and spans approximately 4.2 kb. And the gamma chain is an indispensable component of the functional IL2 receptor. Lymphocytes expressing the common gamma chain can form functional receptors for these cytokine proteins, which transmit signals from one cell to another and direct programs of cellular differentiation. The sharing of the gamma subunit by several receptors explains why humans and mice that lack IL2 entirely show milder symptoms than those with IL2RG deficiency.

Images



Anti-IL2 Receptor gamma antibody, ABO10930, Western blotting
Lane 1: PANC Cell Lysate Lane 2: HELA Cell Lysate
Lane 3: JURKAT Cell Lysate Lane 4: RAJI Cell Lysate Lane 5: CEM Cell Lysate

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