

Anti-IL7R/CD127 Picoband Antibody
Catalog # ABO12633**Specification**

Anti-IL7R/CD127 Picoband Antibody - Product Information

Application	WB
Primary Accession	P16871
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Interleukin-7 receptor subunit alpha(IL7R) detection. Tested with WB in Human;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-IL7R/CD127 Picoband Antibody - Additional Information

Gene ID 3575

Other Names

Interleukin-7 receptor subunit alpha, IL-7 receptor subunit alpha, IL-7R subunit alpha, IL-7R-alpha, IL-7RA, CDw127, CD127, IL7R

Calculated MW

51581 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

Isoform 1: Cell membrane; Single-pass type I membrane protein.

Protein Name

Interleukin-7 receptor subunit alpha

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of human IL7R alpha (278-315aa DHKKTLEHLCKKPRKNLNVSFNPESFLDCQIHRVDDIQ), different from the related mouse sequence by nine amino acids.

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.

Anti-IL7R/CD127 Picoband Antibody - Protein Information

Name IL7R

Function

Receptor for interleukin-7. Also acts as a receptor for thymic stromal lymphopoietin (TSLP).

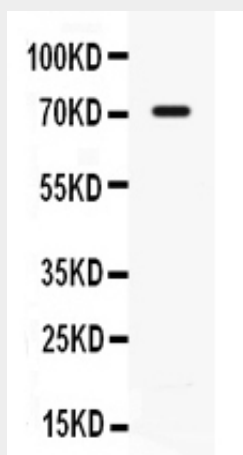
Cellular Location

[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 4]: Secreted.

Anti-IL7R/CD127 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-IL7R/CD127 Picoband Antibody - Images

Western blot analysis of IL7R alpha expression in 22RV1 whole cell lysates (lane 1). IL7R alpha at 70KD was detected using rabbit anti- IL7R alpha Antigen Affinity purified polyclonal antibody (Catalog # ABO12633) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-IL7R/CD127 Picoband Antibody - Background

The interleukin-7 receptor, also known as IL7R alpha, is a protein found on the surface of cells. It is mapped to 5p13. Interleukin-7 receptor has been shown to play a critical role in the development of immune cells called lymphocytes - specifically in a process known as V(D)J recombination. This protein is also found to control the accessibility of a region of the genome that contains the T-cell receptor gamma gene, by STAT5 and histone acetylation. Knockout studies in mice suggest that blocking apoptosis is an essential function of this protein during differentiation and activation of T lymphocytes. Functional defects in this protein may be associated with the pathogenesis of severe combined immunodeficiency (SCID).