

**Anti-IL2RB Picoband Antibody**  
**Catalog # ABO12447****Specification**

---

**Anti-IL2RB Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P16297</a>
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Interleukin-2 receptor subunit beta(IL2RB) detection. Tested with WB in Mouse.

**Reconstitution**

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

**Anti-IL2RB Picoband Antibody - Additional Information**

**Gene ID** 16185

**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, CD122, IL2rb

**Calculated MW**

60539 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Mouse<br>

**Subcellular Localization**

Membrane; Single-pass type I membrane protein.

**Protein Name**

Interleukin-2 receptor subunit beta

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of mouse IL2RB (503-539aa NLHGQDQDRGQGPILTNLNTDAYLSLQELQAQDSVHLI), different from the related human sequence by sixteen amino acids, and from the related rat sequence by fourteen 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-IL2RB Picoband Antibody - Protein Information**

**Name** IL2rb

**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 (By similarity).

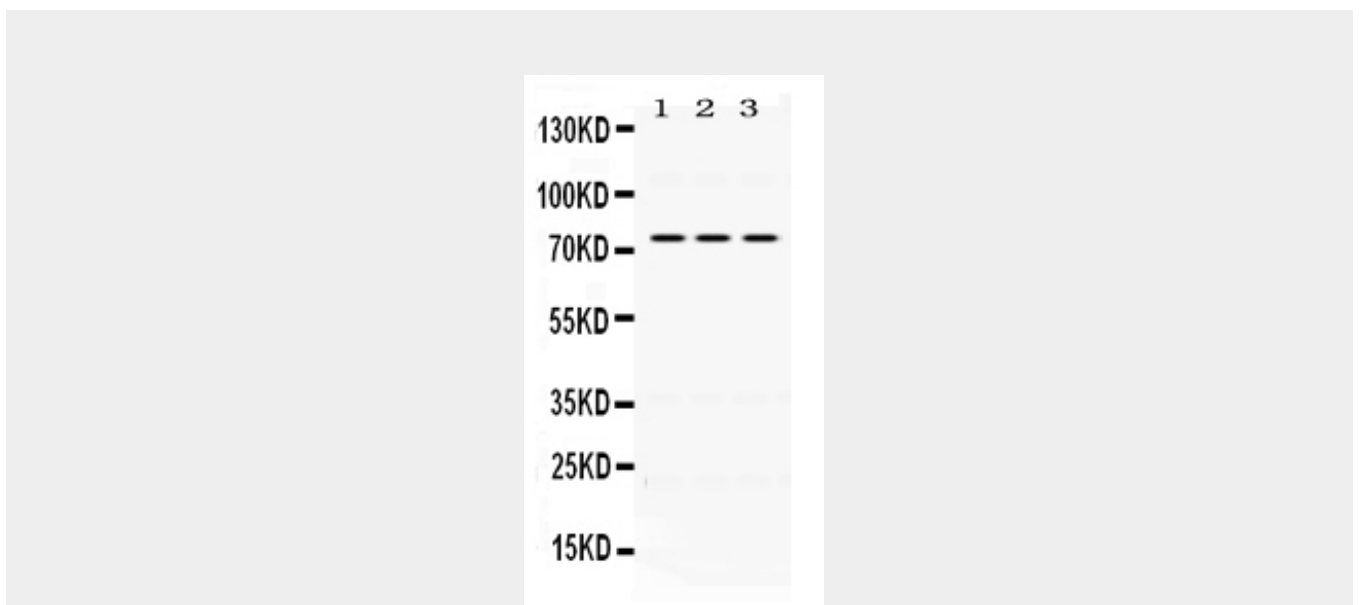
**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:P14784}; Single-pass type I membrane protein. Cell surface {ECO:0000250|UniProtKB:P14784}

**Anti-IL2RB 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-IL2RB Picoband Antibody - Images**

Anti- IL2RB Picoband antibody, ABO12447, Western blottingAll lanes: Anti IL2RB (ABO12447) at 0.5ug/mlLane 1: Mouse Lung Tissue Lysate at 50ugLane 2: Mouse Spleen Tissue Lysate at 50ugLane 3: Mouse Testis Tissue Lysate at 50ugPredicted bind size: 75KDObserved bind size: 75KD

#### **Anti-IL2RB Picoband Antibody - 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.