

**Anti-IL1RA Picoband Antibody**  
Catalog # ABO12870

**Specification**

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**Anti-IL1RA Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P18510</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Interleukin-1 receptor antagonist protein(IL1RN) detection. Tested with WB, ELISA in Human.

**Reconstitution**

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

**Anti-IL1RA Picoband Antibody - Additional Information**

**Gene ID** 3557

**Other Names**

Interleukin-1 receptor antagonist protein, IL-1RN, IL-1ra, IRAP, ICIL-1RA, IL1 inhibitor, Anakinra, IL1RN, IL1F3, IL1RA

**Calculated MW**

20055 MW KDa

**Application Details**

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

**Subcellular Localization**

Isoform 1: Secreted.

**Tissue Specificity**

The intracellular form of IL1RN is predominantly expressed in epithelial cells.

**Contents**

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

**Immunogen**

E. coli-derived human IL1RA recombinant protein (Position: R26-E177). Human IL1RA shares 77% and 75.5% amino acid (aa) sequence identity with mouse and rat IL1RA, respectively.

**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-IL1RA Picoband Antibody - Protein Information

**Name** IL1RN

**Synonyms** IL1F3, IL1RA

### Function

Anti-inflammatory antagonist of interleukin-1 family of proinflammatory cytokines such as interleukin-1beta/IL1B and interleukin-1alpha/IL1A. Protects from immune dysregulation and uncontrolled systemic inflammation triggered by IL1 for a range of innate stimulatory agents such as pathogens.

### Cellular Location

[Isoform 1]: Secreted [Isoform 3]: Cytoplasm.

### Tissue Location

The intracellular form of IL1RN is predominantly expressed in epithelial cells

## Anti-IL1RA 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-IL1RA Picoband Antibody - Images

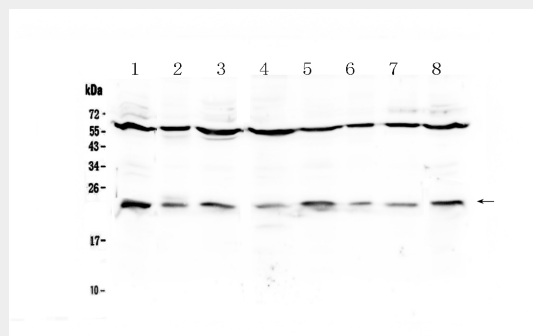


Figure 1. Western blot analysis of IL1RA using anti-IL1RA antibody (ABO12870).

## **Anti-IL1RA Picoband Antibody - Background**

The interleukin-1 receptor antagonist (IL-1RA) is a protein that in humans is encoded by the IL1RN gene. The protein encoded by this gene is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses. This gene and five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.