

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

Anti-IL1RA Picoband Antibody - Product Information

Application	WB, E
Primary Accession	P18510
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,
 Western blot, 0.1-0.5 µg/ml, Human,

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 Na₂HPO₄, 0.05mg NaN₃.

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

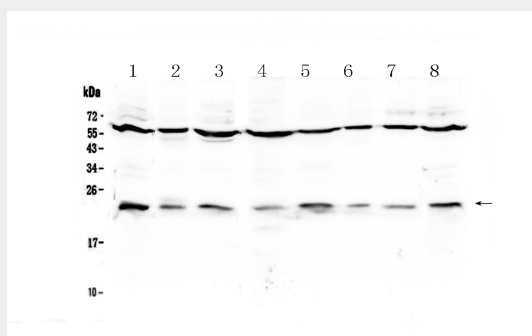


Figure 1. Western blot analysis of IL1RA using anti-IL1RA antibody (ABO12870).

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.