

Anti-IL1RA Picoband Antibody

Catalog # ABO12870

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.

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
Application Details	ELISA , 0.1-0.5 μ g/ml, Human, Western blot, 0.1-0.5 μ g/ml, Human,
Subcellular Localization	Isoform 1: Secreted.
Tissue Specificity	The intracellular form of IL1RN is predominantly expressed in epithelial cells.
Source	Eukaryota
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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 r ° Constitution, 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.

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

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.

Images

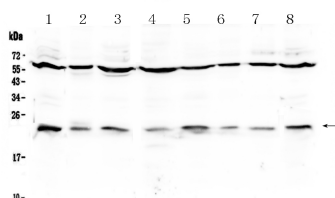


Figure 1. Western blot analysis of IL1RA using anti-IL1RA antibody (ABO12870).

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