

**IL1RN Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6503a****Specification**

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**IL1RN Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P18510](#)**IL1RN Antibody (Center) Blocking Peptide - 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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6503a](/products/AP6503a) was selected from the Center region of human IL1RN. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**IL1RN Antibody (Center) Blocking Peptide - 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

### **IL1RN Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **IL1RN Antibody (Center) Blocking Peptide - Images**

### **IL1RN Antibody (Center) Blocking Peptide - Background**

The protein 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. A polymorphism of its gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer.

### **IL1RN Antibody (Center) Blocking Peptide - References**

Kumar,S., Biochem. Biophys. Res. Commun. 387 (3), 456-460 (2009)Rehcinski,T., Kardiol Pol 67 (6), 601-610 (2009)