

IL1RN Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6503a

Specification

IL1RN Antibody (Center) - Product Information

Application	FC, IF, IHC-P, WB,E
Primary Accession	P18510
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20055
Antigen Region	100-129

IL1RN Antibody (Center) - 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

This IL1RN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 100-129 amino acids from the Central region of human IL1RN.

Dilution

FC~~1:10~50

IF~~1:10~50

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

IL1RN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

IL1RN Antibody (Center) - 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

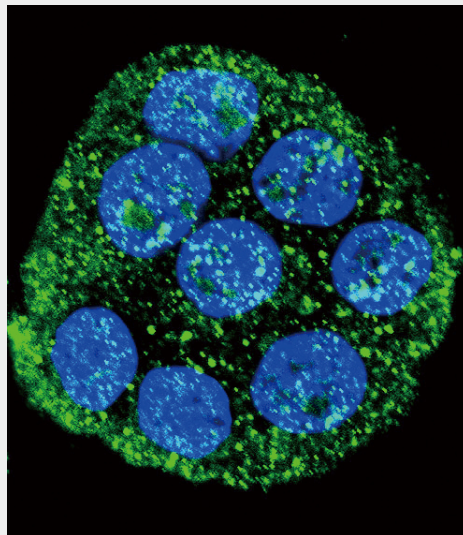
The intracellular form of IL1RN is predominantly expressed in epithelial cells

IL1RN Antibody (Center) - Protocols

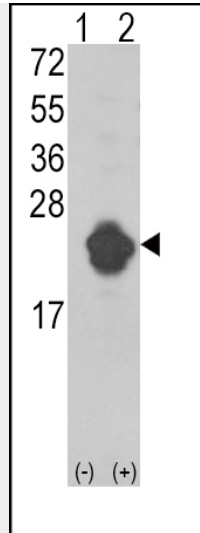
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

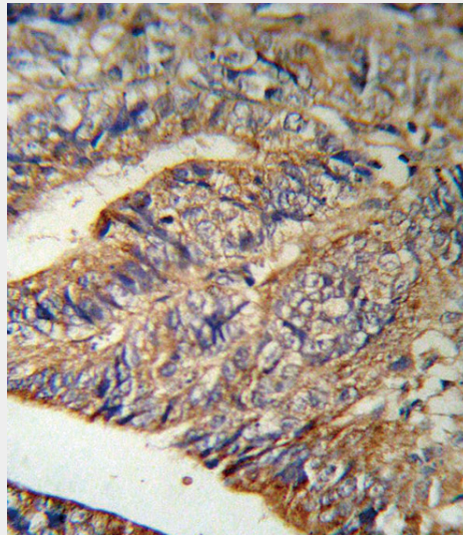
IL1RN Antibody (Center) - Images



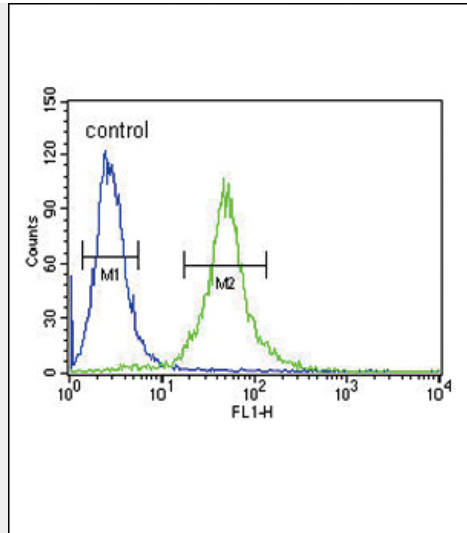
Confocal immunofluorescent analysis of IL1RN Antibody (Center)(Cat#AP6503a) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western blot analysis of IL1RN (arrow) using rabbit polyclonal IL1RN Antibody (Center) (Cat. #AP6503a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the IL1RN gene (Lane 2) (Origene Technologies).



IL1RN Antibody (Center) (RB18901) IHC analysis in formalin fixed and paraffin embedded human Colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IL1RN Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



IL1RN Antibody (Center) (Cat. #AP6503a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

IL1RN Antibody (Center) - 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) - References

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