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IL1RN Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6503a

Product Information

Application	WB, IHC-P, IF, FC, E
Primary Accession	P18510
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB18901
Calculated MW	20055
Antigen Region	100-129

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	WB~~1:1000 IHC-P~~1:100~500 IF~~1:10~50 FC~~1:10~50 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.

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

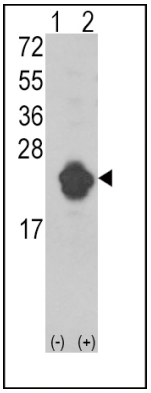
Background

The 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.

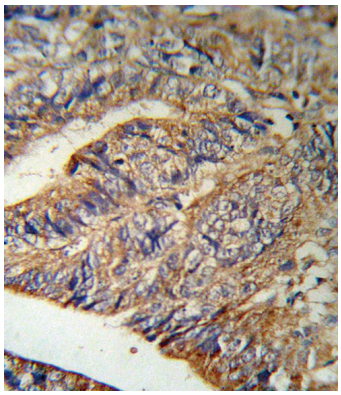
References

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

Images

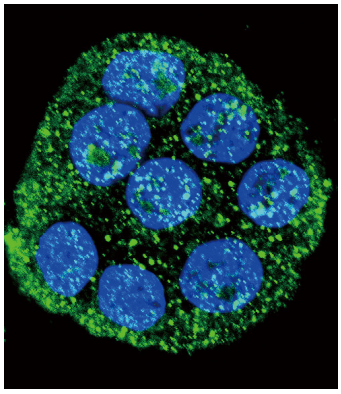


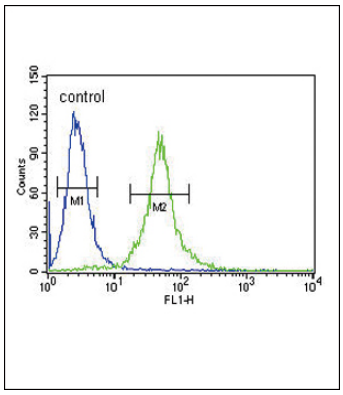
Western blot analysis of IL1RN (arrow) using rabbit polyclonal IL1RN Antibody (Center) (Cat. #AP6503a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the IL1RN gene (Lane 2) (Origene Technologies).



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.

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





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.

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