

Rabbit anti-Human IL1RN Polyclonal Antibody | anti-IL1RN antibody

IL1RN Antibody (C-term)

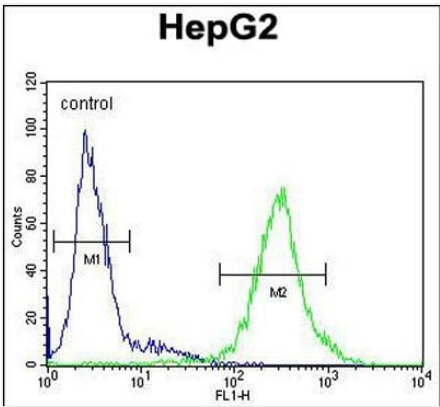
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289486	Rabbit	Human	ELISA, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

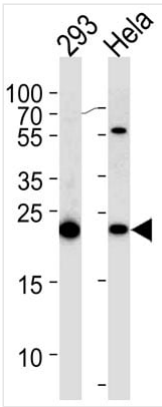
IL1RN; Polyclonal Antibody; IL1RN Antibody (C-term); Interleukin-1 receptor antagonist protein; IL-1RN; IL-1ra; IRAP; ICIL-1RA; IL1 inhibitor; Anakinra; IL1F3; IL1RA; anti-IL1RN antibody

PRODUCT SPECIFICATIONS

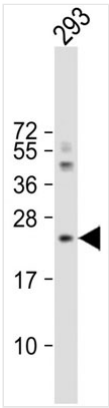
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IL1RN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-177 amino acids from the C-terminal region of human IL1RN.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	147-177
Sequence Length	143
Applicable Applications for anti-IL1RN antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
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
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



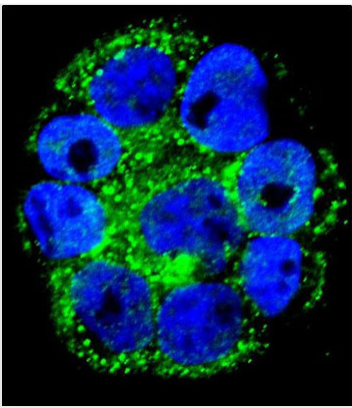
FCM/FACS (Flow Cytometry)
IL1RN Antibody (C-term) (Cat. # AAA289486) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
IL1RN Antibody (C-term) (Cat.# AAA289486) western blot analysis in 293,HeLa cell line lysates (35ug/lane).This demonstrates the IL1RN antibody detected the IL1RN protein (arrow).



WB (Western Blot)
Anti-IL1RN Antibody (C-term) at 1:4000 dilution + 293 whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 20 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of IL1RN Antibody (C-term)(Cat# AAA289486) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-IL1RN antibody	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.
Product Categories/Family for anti-IL1RN antibody	Crown Antibodies; Cardiovascular; Metabolism
References	Kumar,S., Biochem. Biophys. Res. Commun. 387 (3), 456-460 (2009) Rechcinski,T., Kardiol Pol 67 (6), 601-610 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835147
NCBI GeneID	3557
NCBI Accession #	NP_000568.1; NP_776213.1; NP_776214.1; NP_776215.1
NCBI GenBank Nucleotide #	NM_000577.4
UniProt Accession #	P18510; Q14628; Q53SC2; Q7RTZ4; Q96GD6; Q9UPC0; A8K4G1

Molecular Weight	20055
NCBI Official Full Name	interleukin-1 receptor antagonist protein isoform 3
NCBI Official Synonym Full Names	interleukin 1 receptor antagonist
NCBI Official Symbol	IL1RN
NCBI Official Synonym Symbols	DIRA; IRAP; IL1F3; IL1RA; MVCD4; IL-1RN; IL-1ra; IL-1ra3; ICIL-1RA
NCBI Protein Information	interleukin-1 receptor antagonist protein
UniProt Protein Name	Interleukin-1 receptor antagonist protein
UniProt Gene Name	IL1RN
UniProt Synonym Gene Names	IL1F3; IL1RA; IL-1RN; IL-1ra; IRAP
UniProt Entry Name	IL1RA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/il1rn-antibody-western-blot-immunofluorescence-flow-cytometry-elisa/289486>