

Rabbit IL1RN Polyclonal Antibody | anti-IL1RN antibody

IL1RN Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA170789	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

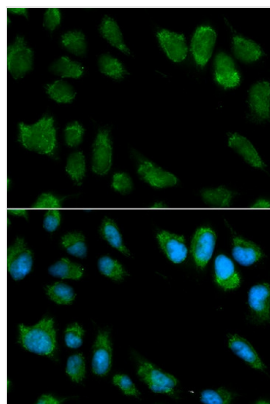
PRODUCT SYNONYMS

IL1RN; Polyclonal Antibody; IL1RN Antibody; ICIL-1RA; IL-1ra3; IL1F3; IL1RA; IRAP; MGC10430; anti-IL1RN antibody

PRODUCT SPECIFICATIONS

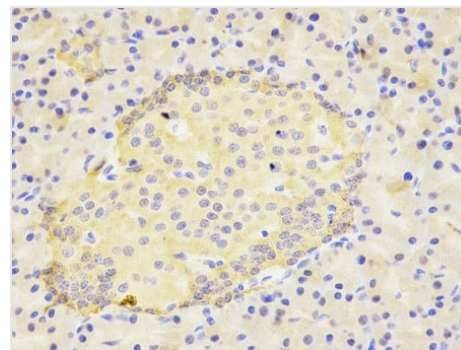
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	143
Applicable Applications for anti-IL1RN antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human IL1RN
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8480 / sc-8479 / sc-25444
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



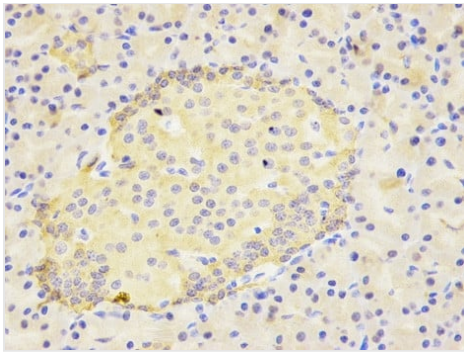
IF (Immunofluorescence)

Immunofluorescence analysis of MCF7 cell using IL1RN antibody. Blue: DAPI for nuclear staining.



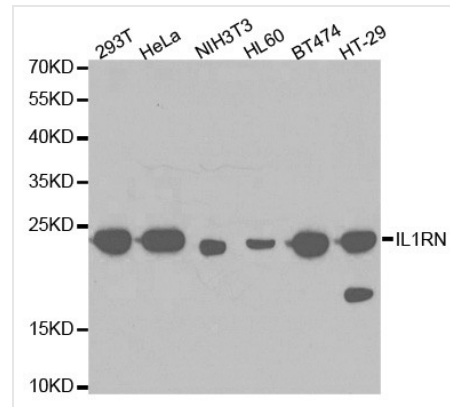
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse lung using IL1RN antibody at dilution of 1:200 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human epididymis using IL1RN antibody at dilution of 1:200 (200x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using IL1RN antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IL1RN antibody

The founding members of the interleukin-1 (IL-1) superfamily include pro-inflammatory cytokines IL-1alpha and IL-1beta, and a third protein that acts as an IL-1 receptor antagonist (IL-1RA). At least six similar proteins have been recently identified, including a homolog of IL-1RA (IL1F5). The three better-characterized proteins (IL-1a, IL-1b and IL-1RA) are mainly expressed in macrophages, monocytes, and dendritic cells. IL-1a and IL-1b act as potent inflammatory cytokines that help regulate host defense and immune responses (1). Binding of these pro-inflammatory cytokines to an IL-1 receptor recruits adaptor proteins (such as IRAK) to the receptor. Phosphorylation of these adaptor proteins promotes downstream signaling cascades associated with the immune response (2). Altered expression of both IL-1a and IL-1b is associated with an extensive list of human disorders, including Alzheimer's disease, rheumatoid arthritis, psoriasis and various forms of cancer (3, 4). IL-1RA acts as an anti-inflammatory cytokine, binding the IL-1 receptor to limit the response to inflammation (5). Because it plays a key role in regulating the inflammatory response, recombinant IL-1RA is a therapeutic agent used in the treatment of diseases such as rheumatoid arthritis. Alternatively, mutation of the corresponding IL-1RA gene may be associated with susceptibility to the development of specific cancers (6).

NCBI AND UNIPROT INFORMATION

NCBI GI #	27894321
NCBI GeneID	3557
NCBI Accession #	NP_776215.1
NCBI GenBank Nucleotide #	NM_173843.2
Molecular Weight	16,142 Da
NCBI Official Full Name	interleukin-1 receptor antagonist protein isoform 4
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; IL1 inhibitor; IL1RN (IL1F3); intracellular IL-1 receptor antagonist type II; intracellular interleukin-1 receptor antagonist (icIL-1ra); type II interleukin-1 receptor antagonist
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il1rn-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/170789>