

Product datasheet for **TA327265S**

IL1RA (IL1RN) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50- 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human IL1RN
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	interleukin 1 receptor antagonist
Database Link:	NP_000568 Entrez Gene 16181 Mouse Entrez Gene 60582 Rat Entrez Gene 3557 Human P18510



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Background:

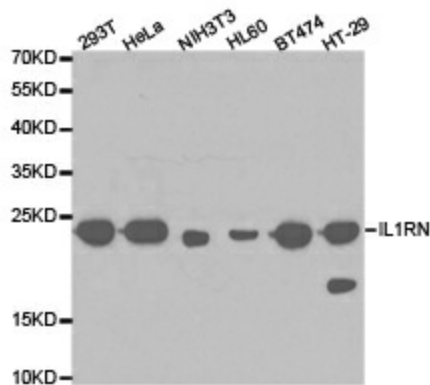
The founding members of the interleukin-1 (IL-1) superfamily include pro-inflammatory cytokines IL-1 α and IL-1 β , and a third protein that acts as an IL-1 receptor antagonist (IL-1RA). At least six similar proteins have been recently identified, including a homolog of IL-1RA (IL1F5). The three better-characterized proteins (IL-1 α , IL-1 β and IL-1RA) are mainly expressed in macrophages, monocytes, and dendritic cells. IL-1 α and IL-1 β act as potent inflammatory cytokines that help regulate host defense and immune responses. 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. Altered expression of both IL-1 α and IL-1 β is associated with an extensive list of human disorders, including Alzheimer's disease, rheumatoid arthritis, psoriasis and various forms of cancer. IL-1RA acts as an anti-inflammatory cytokine, binding the IL-1 receptor to limit the response to inflammation. 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.

Synonyms:

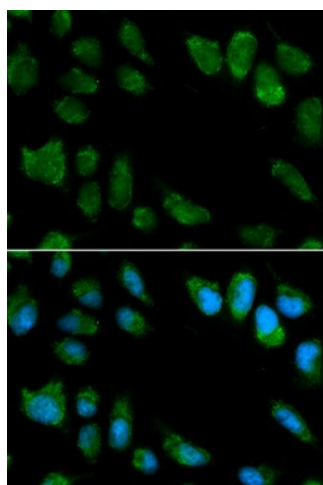
DIRA; ICIL-1RA; IL-1ra; IL-1ra3; IL-1RN; IL1F3; IL1RA; IRAP; MVCD4

Protein Families:

Druggable Genome, Secreted Protein

Product images:

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



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