



# Anti-IL1RN polyclonal antibody (CPBT-65638RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

This product specifically recognises human Interleukin-1 receptor antagonist (IL-1RA), a naturally occurring inflammatory inhibitor protein, produced by monocytes, macrophages, neutrophils, corneal epithelial cells and fibroblasts, which inhibits the activity of IL-1 alpha and IL-1 beta, by competitively blocking binding to cell surface receptors for IL-1. Genetic variations in IL-1RA gene (IL1RN) are associated with susceptibility to microvascular complications of diabetes type 4 (MVCD4), and IL-1RA has therapeutic applications in rheumatoid arthritis, asthma, psoriasis, sepsis, chronic myelogenous leukaemia and inflammatory bowel disease. ELISA This purified human IL-1RA antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA. Western Blotting This purified human IL-1RA antibody may be used in Western Blotting applications under either reducing or non-reducing conditions.

<b>Specificity</b>	IL1RN
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA; FA; WB
<b>Format</b>	Purified IgG - lyophilised
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid

repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

Gene Name	<a href="#">IL1RN interleukin 1 receptor antagonist [ Homo sapiens (human) ]</a>
Official Symbol	IL1RN
Synonyms	IL1RN; interleukin 1 receptor antagonist; DIRA; IRAP; IL1F3; IL1RA; MVCD4; IL-1RN; IL-1ra; IL-1ra3; ICIL-1RA; interleukin-1 receptor antagonist protein; IL1 inhibitor; IL1RN (IL1F3); type II interleukin-1 receptor antagonist; intracellular IL-1 receptor a
Entrez Gene ID	<a href="#">3557</a>
Protein Refseq	<a href="#">NP_000568</a>
UniProt ID	P18510
Chromosome Location	2q14.2
Pathway	Cytokine Signaling in Immune system; IL-1 Signaling Pathway; IL1-mediated signaling events; Immune System; Interleukin-1 signaling; Leptin signaling pathway; SIDS Susceptibility Pathways; Signaling by Interleukins;
Function	cytokine activity; interleukin-1 Type I receptor antagonist activity; interleukin-1 Type II receptor antagonist activity; interleukin-1 receptor antagonist activity; interleukin-1 receptor binding; interleukin-1, Type I receptor binding; interleukin-1, Type II receptor binding;