



Anti-IL1A polyclonal antibody (CPBT-65373RH)

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

PRODUCT INFORMATION

Product Overview

Rabbit anti Human Interleukin-1 alpha antibody recognizes human IL-1 alpha (Interleukin-1 alpha), an 18kDa multi-functional pro-inflammatory cytokine which belongs to the IL-1 family of proteins, and is produced by a variety of cells including activated macrophages, monocytes and keratinocytes. IL-1 alpha and IL-1 beta have been identified as two distinct IL-1 proteins which bind to the same type 1 Interleukin 1 receptor (IL1R1). Biological properties of IL-1 alpha include stimulation of thymocyte proliferation by induction of IL-2 release, B-cell proliferation and maturation, and fibroblast growth factor activity. ELISA This product may be used in an indirect ELISA or as a capture antibody in a sandwich ELISA.

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| Specificity | IL1A |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | ELISA; FA; IHC-P; WB |
| Format | Purified IgG - lyophilised |
| Size | 100 µg |
| Preservative | None |
| Storage | 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

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| Gene Name | IL1A interleukin 1, alpha [Homo sapiens (human)] |
| Official Symbol | IL1A |
| Synonyms | IL1A; interleukin 1, alpha; IL1; IL-1A; IL1F1; IL1-ALPHA; interleukin-1 alpha; IL-1 alpha; hematopoietin-1; preinterleukin 1 alpha; pro-interleukin-1-alpha; |
| Entrez Gene ID | 3552 |
| Protein Refseq | NP_000566 |
| UniProt ID | P01583 |
| Chromosome Location | 2q14 |
| Pathway | Apoptosis; Cellular Senescence; Cellular responses to stress; Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response; FAS pathway and Stress induction of HSP regulation; Graft-versus-host disease; |
| Function | copper ion binding; cytokine activity; interleukin-1 receptor binding; protein binding; |