

IL1A-S87 Antibody
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6860a

Specification

IL1A-S87 Antibody - Product Information

Application	WB,E
Primary Accession	P01583
Other Accession	P79340
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	30607
Antigen Region	65-94

IL1A-S87 Antibody - Additional Information

Gene ID 3552

Other Names

Interleukin-1 alpha, IL-1 alpha,
Hematopoietin-1, IL1A, IL1F1

Target/Specificity

This IL1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 65-94 amino acids from human IL1A.

Dilution

WB~~1:1000

Format

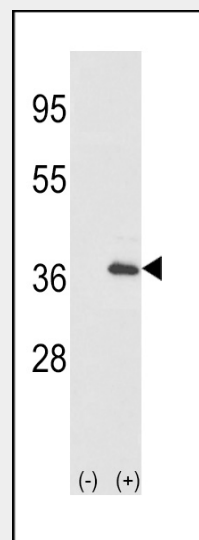
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

IL1A-S87 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.



Western blot analysis of IL1A (arrow) using rabbit polyclonal IL1A-pS87 (Cat. #AP6860a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the IL1A gene (Lane 2) (Origene Technologies).

IL1A-S87 Antibody - Background

IL1A is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis.

IL1A-S87 Antibody - References

Cousin,E.,et.al., Neurobiol. Aging (2009)

IL1A-S87 Antibody - Protein Information**Name** IL1A**Synonyms** IL1F1**Function**

Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.

Cellular Location

Cytoplasm. Secreted. Note=The lack of a specific hydrophobic segment in the precursor sequence suggests that IL-1 is released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins. The secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from the cytoplasm into the ERGIC (endoplasmic reticulum-Golgi intermediate compartment) followed by vesicle entry and secretion (PubMed:32272059).

IL1A-S87 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)