

IL-1 α Polyclonal Antibody
Catalog # AP70504**Specification**

IL-1 α Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	P01583
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

IL-1 α Polyclonal Antibody - Additional Information**Gene ID** 3552**Other Names**

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

Dilution

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

IL-1 α Polyclonal Antibody - Protein Information**Name** IL1A**Synonyms** IL1F1**Function**

Cytokine constitutively present intracellularly in nearly all resting non-hematopoietic cells that plays an important role in inflammation and bridges the innate and adaptive immune systems (PubMed:<[a href="http://www.uniprot.org/citations/26439902" target="_blank">26439902a href="http://www.uniprot.org/citations/17507369" target="_blank">17507369a href="http://www.uniprot.org/citations/2950091" target="_blank">2950091a href="http://www.uniprot.org/citations/17507369" target="_blank">17507369a href="http://www.uniprot.org/citations/14687581" target="_blank">14687581](http://www.uniprot.org/citations/26439902)

href="http://www.uniprot.org/citations/15679580" target="_blank">15679580). In addition to its role as a danger signal, which occurs when the cytokine is passively released by cell necrosis, directly senses DNA damage and acts as a signal for genotoxic stress without loss of cell integrity (PubMed:26439902).

Cellular Location

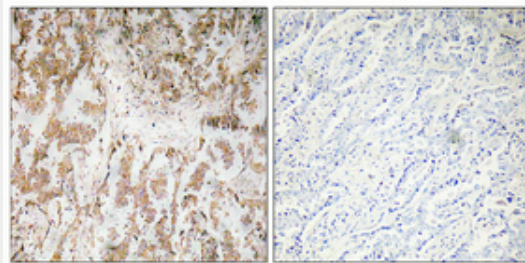
Nucleus. Cytoplasm. Secreted Note=The lack of a specific hydrophobic segment in the precursor sequence suggests that IL-1 is released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins The secretion is dependent on protein unfolding and facilitated by 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) Recruited to DNA damage sites and secreted after genotoxic stress

IL-1 α Polyclonal 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](#)

IL-1 α Polyclonal Antibody - Images



IL-1 α Polyclonal Antibody - Background

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.