

Product Name: IL-1 α Rabbit Polyclonal Antibody
Catalog #: APRab12528

Summary

Production Name	IL-1 α Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	IL1A
Alternative Names	IL1A; IL1F1; Interleukin-1 alpha; IL-1 alpha; Hematopoietin-1
Gene ID	3552.0
SwissProt ID	P01583.The antiserum was produced against synthesized peptide derived from human IL-1alpha. AA range:8-57

Application

Dilution Ratio	IHC-P 1:100-1:300, ELISA 1:10000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	

Background

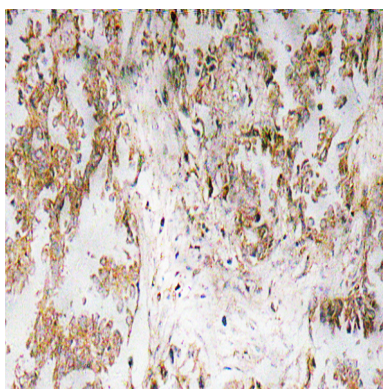
The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease. [provided by RefSeq, Jul 2008], domain: The similarity among the IL-1 precursors suggests that the amino ends of these proteins serve some as yet undefined function., 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., online information: Interleukin-1 entry, online information: The Singapore human mutation and polymorphism database, similarity: Belongs to the IL-1 family., subcellular location: 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., subunit: Monomer.,

Research Area

MAPK_ERK_Growth; MAPK_G_Protein; Cytokine-cytokine receptor

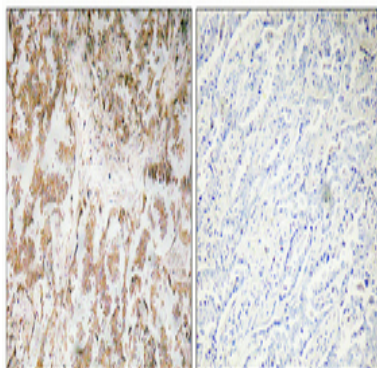
interaction; Apoptosis_Inhibition; Apoptosis_Mitochondrial; Apoptosis_Overview; Hematopoietic cell lineage; Type I diabetes mellitus; Prion diseases; Graft-versus-host disease;

Image Data



Immunohistochemistry analysis of IL-1 α antibody in paraffin-embedded human lung carcinoma tissue.

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Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Note

For research use only.