

IL-1 α Rabbit pAb

CatalogNo: YT2321

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, IF, ELISA

MW

- 31kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human IL-1 α . AA range: 8-57

Specificity

IL-1 α Polyclonal Antibody detects endogenous levels of IL-1 α protein.

Target Information

Gene name IL1A

Protein Name Interleukin-1 alpha

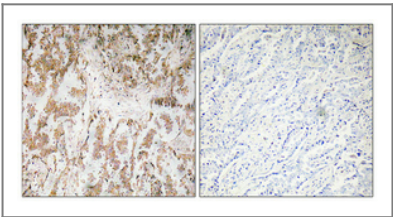
Organism	Gene ID	UniProt ID
Human	3552 ;	P01583 ;
Mouse	16175 ;	P01582 ;
Rat	24493 ;	P16598 ;

Cellular Localization Cytoplasm . Secreted . 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). .

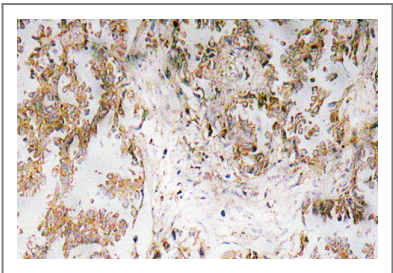
Tissue specificity Lung,

Function 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.,

Validation Data



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) obtained from antibody was pre-absorbed by immunogen peptide.



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

| Contact information

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IL-1 α Rabbit pAb

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