# IL-1 alpha Rabbit pAb

Catalog No.: A1316 8 Publications



# **Basic Information**

## **Observed MW**

31kDa/21kDa

## **Calculated MW**

31kDa

## Category

Primary antibody

## **Applications**

WB,IHC-P,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

# **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.

## **Recommended Dilutions**

**WB** 1:500 - 1:1000

IHC-P 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

# Immunogen Information

**Gene ID**3552

Swiss Prot
P01583

#### **Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

## **Synonyms**

IL1; IL-1A; IL1F1; IL1-ALPHA; IL-1 alpha

## **Contact**

6	400-999-6126
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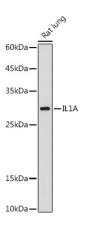
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



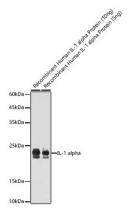
Western blot analysis of lysates from Rat lung, using IL-1 alpha Rabbit pAb (A1316) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Western blot analysis of Recombinant Human IL-1 alpha Protein (RP00098), using IL-1 alpha Rabbit pAb (A1316) at 1:1000 dilution.

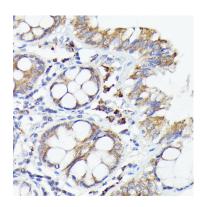
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 10ng/5ng per lane.

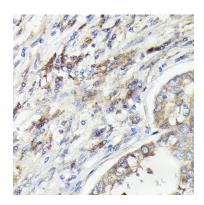
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of paraffinembedded Human colon carcinoma using IL-1 alpha Rabbit pAb (A1316) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human lung cancer using IL-1 alpha Rabbit pAb (A1316) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.