## IL-1 alpha Rabbit pAb

## Basic Information

## Observed MW

30 kDa

## Calculated MW

31kDa

## Category

Primary antibody

## Applications

ELISA,WB

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.

## Immunogen Information

## Gene ID

3552

Swiss Prot
P01583

## Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 112-271 of human IL-1 alpha (NP_000566.3).

## Synonyms

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

## Product Information

| Source | Isotype | Purification |
| :--- | :--- | :--- |
| Rabbit | IgG | Affinity purification |

## Storage

Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01\% thimerosal,50\% glycerol, pH7.3.


Western blot analysis of various lysates using (A2170) at 1:1000 dilution.Raw264.7 cells were treated by LPS ( $1 \mu \mathrm{~g} / \mathrm{ml}$ ) at $37^{\circ} \mathrm{C}$ for 8 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: $25 \mu \mathrm{~g}$ per lane.
Blocking buffer: 3\% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.

