

IL1 beta Rabbit Polyclonal Antibody



CAB11370

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

37kDa

Calculated MW:

30kDa

Applications:

WB IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.

Immunogen information

Gene ID:

3553

Uniprot

P01584

Synonyms:

IL-1; IL1-BETA; IL1F2; IL1 beta; IL1B

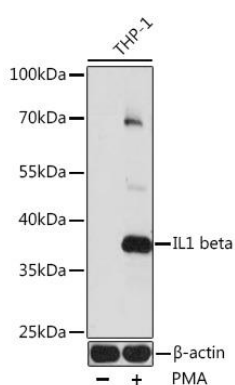
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 124-223 of human IL1 beta (NP_000567.1).

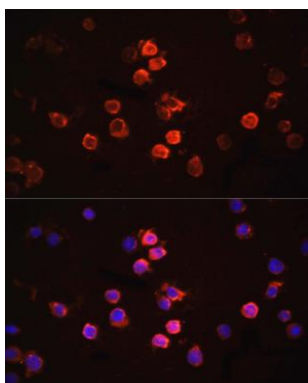
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using IL1 beta antibody (CAB11370) at 1:1000 dilution. THP-1 cells were treated by PMA (80 nM) for overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Immunofluorescence analysis of THP-1 cells using IL1 beta antibody (CAB11370) at dilution of 1:100. Blue: DAPI for nuclear staining.