IL1 beta Rabbit Polyclonal Antibody

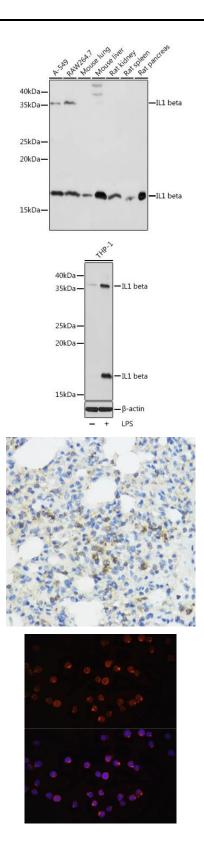
CAB16288



| Product Information | Protein Background |
|---|--|
| Size: | The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine |
| 20uL, 50uL, 100uL, 200uL | is produced by activated macrophages as a proprotein, which is proteolytically processed to it active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the |
| Observed MW: | inflammatory response, and is involved in a variety of cellular activities, including ce proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2 |
| 17kDa/35kDa | by this cytokine in the central nervous system (CNS) is found to contribute to inflammator pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene |
| Calculated MW: | cluster on chromosome 2. |
| 30kDa | Immunogen information |
| Applications: | Gene ID: |
| WB IHC IF IP | 3553 |
| Reactivity: | Uniprot |
| Human, Mouse, Rat | P01584 |
| | Synonyms: |
| Antibody Information | IL-1; IL1-BETA; IL1F2; IL1 beta; IL1B |
| Recommended dilutions: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200 IP | |
| 1:50 - 1:200 | Immunogen: A synthetic peptide of human IL1 beta |
| Source: Rabbit | |
| | Storage: |
| lsotype: | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| laG | Southin a zine, 30.70 given of μ m r .3. |

lgG

Purification: Affinity purification



Western blot analysis of extracts of various cell lines, using IL1 beta antibody (CAB16288) at 1:1000 dilution. 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: 1s.

Western blot analysis of extracts of THP-1 cells, using IL1 beta antibody (CAB16288) at 1:1000 dilution.THP-1 cells were treated by LPS (1 ug/mL) at 37'C for 6 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.

Immunohistochemistry of paraffin-embedded rat lung using IL1 beta antibody (CAB16288) at dilution of 1:100 (40x lens).

Immunofluorescence analysis of THP-1 cells using IL1 beta antibody (CAB16288) at dilution of 1:100. Blue: DAPI for nuclear staining.