## IL1 beta Rabbit Polyclonal Antibody

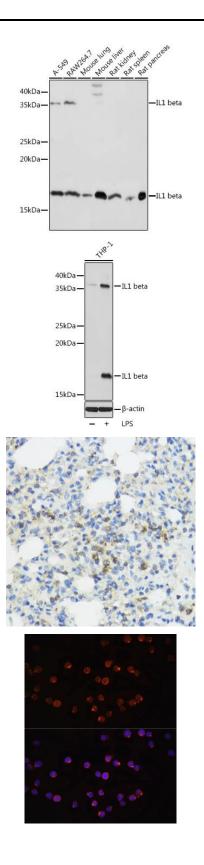
## CAB16288



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
<b>Recommended dilutions:</b> 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
<b>Source:</b> 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 $\mu$ 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.