

IL-1 β (PT0689R) PT™ Rabbit mAb

CatalogNo: YM8498 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IF, IP, ELISA

MW

- 31kD (Calculated)
pro:31kD, mature:17kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

WB 1:2000-1:10000**IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

Basic Information

Clonality Monoclonal**Clone Number** PT0689R

Immunogen Information

Specificity Endogenous

Target Information

Gene name IL1B IL1F2

Protein Name Interleukin-1 beta (IL-1 beta) (Catabolin)

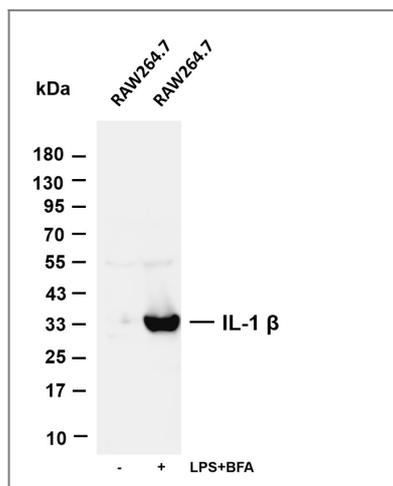
Organism	Gene ID	UniProt ID
Human	3553 ;	P01584 ;
Mouse	16176 ;	P10749 ;
Rat		Q63264 ;

Cellular Localization Secreted

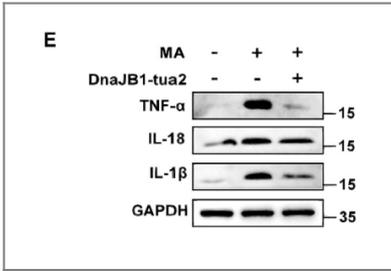
Tissue specificity Expressed in activated monocytes/macrophages (at protein level).

Function Domain:The similarity among the IL-1 precursors suggests that the amino ends of these proteins serve some as yet undefined function.,Function:Produced by activated macrophages, IL-1 stimulates thymocyte proliferation by inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1 proteins are involved in the inflammatory response, being identified as endogenous pyrogens, and are reported to stimulate the release of prostaglandin and collagenase from synovial cells.,online information:Interleukin-1 entry,online information:The Singapore human mutation and polymorphism database,similarity:Belongs to the IL-1 family.,subcellular location:The lack of a specific hydrophobic segment in the precursor sequence suggests that IL-1 is released by damaged cells or is secreted by a mechanism differing from that used for other secretory proteins.,subunit:Monomer.,

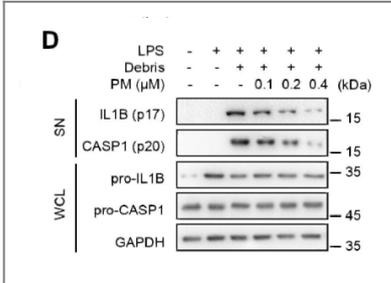
Validation Data



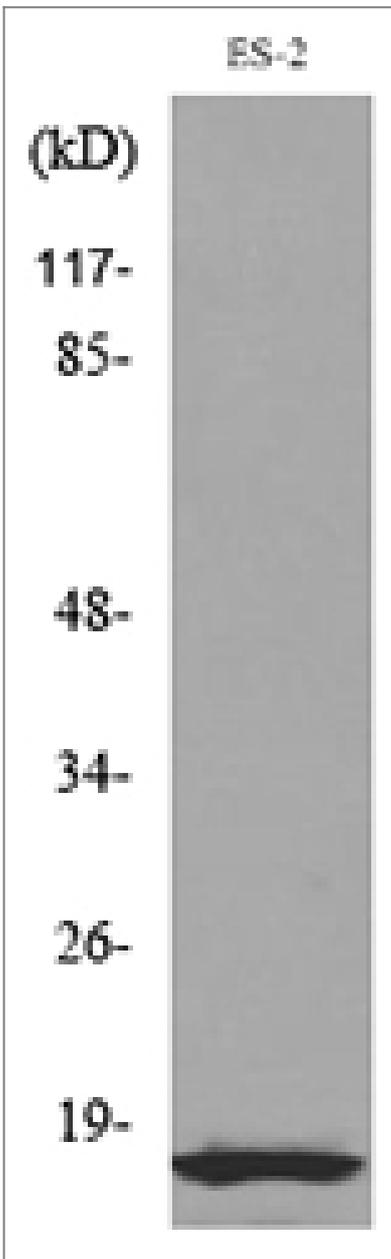
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-IL-1 β antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: RAW264.7 Lane 2: RAW264.7 was treated with Lipopolysaccharide (0.1 $\mu\text{g}/\text{mL}$) for 4 hours and then treated with Brefeldin A (1 $\mu\text{g}/\text{ml}$) for 3 hours Predicted band size: 31kDa Observed band size: 31kDa



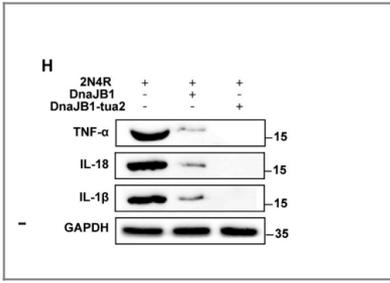
A novel gene therapy for methamphetamine- induced cognitive disorder with a hyper-acidified fusion variant of DnaJB1 Molecular Therapy-Nucleic Acids Zhurong Zou WB Mouse hippocampus BV2 cell



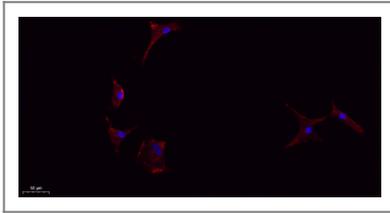
Pristimerin suppresses AIM2 inflammasome by modulating AIM2-PYCARD/ASC stability via selective autophagy to alleviate tendinopathy. Autophagy Xiao Yu WB Mouse Achilles tendon Peritoneal macrophages



Western blot analysis of lysate from ES-2 cells, using IL1B Antibody.



A novel gene therapy for methamphetamine- induced cognitive disorder with a hyper-acidified fusion variant of DnaJB1 Molecular Therapy-Nucleic Acids
Zhurong Zou WB Mouse hippocampus BV2 cell



Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, DAPI(blue) 10min.

Contact information

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Please scan the QR code to access additional product information:
IL-1β (PT0689R)
PT™ Rabbit mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)