Leader in Biomolecular Solutions for Life Science

www.abclonal.com

IL1β Rabbit mAb

Catalog No.: A27676 Recombinant 1 Publications

Basic Information

Observed MW
31kDa

Calculated MW
31kDa

Category
Primary antibody

Applications
WB,IF/ICC,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC74137

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. The encoded protein plays a role in thymocyte proliferation and is involved in the inflammatory response.

Recommended Dilutions

WB	1:2000 - 1:4000
IF/ICC	1:100 - 1:200
IHC-P	1:200 - 1:800
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
16176

Swiss Prot
P10749

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
Il-1b; IL-1beta; IL1β

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

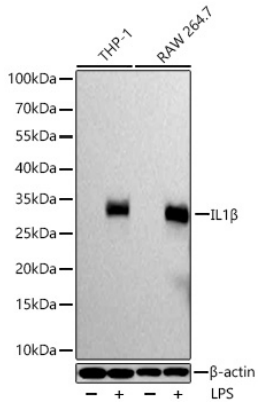
Source
Rabbit

Isotype
IgG

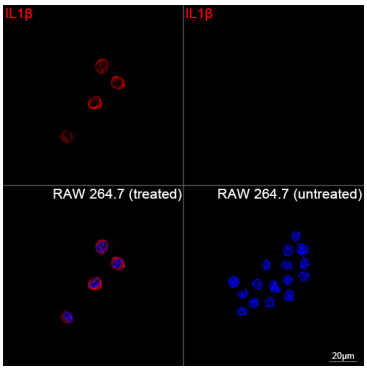
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

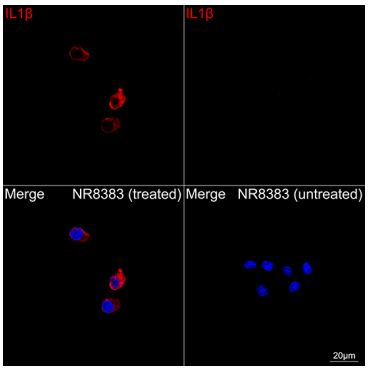
Validation Data



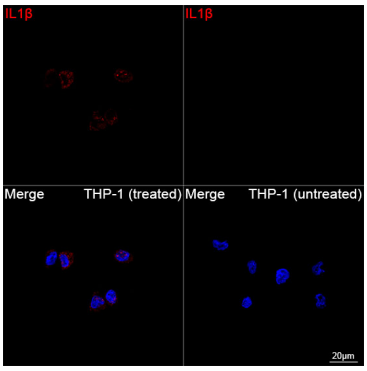
Western blot analysis of various lysates using IL1β Rabbit mAb (A27676) at 1:4000 dilution incubated at room temperature for 1.5 hours. THP-1 and Raw264.7 cells were treated with LPS (1 μg/mL) at 37℃ for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



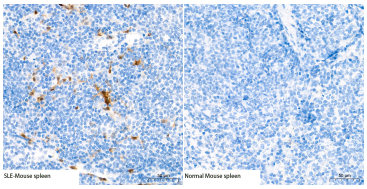
Confocal imaging of RAW 264.7 cells (treated with BFA and LPS) and RAW 264.7 cells (untreated) using IL1β Rabbit mAb (A27676, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



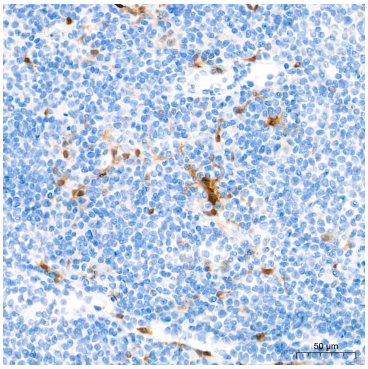
Confocal imaging of NR8383 cells (treated with BFA and LPS) and NR8383 cells (untreated) using IL1β Rabbit mAb (A27676, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



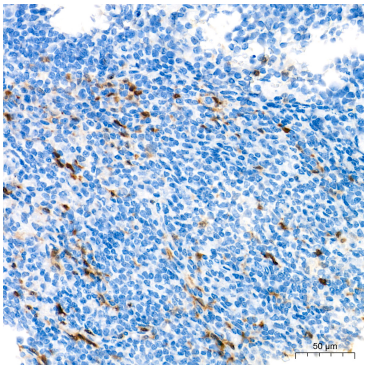
Confocal imaging of THP-1 cells (treated with LPS) and THP-1 cells (untreated) using IL1β Rabbit mAb (A27676, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded SLE Mouse spleen and normal Mouse spleen tissue using IL1β Rabbit mAb (A27676) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

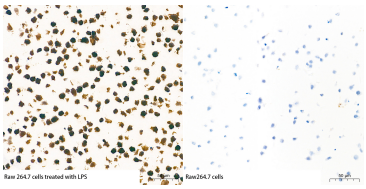


Immunohistochemistry analysis of paraffin-embedded SLE Mouse spleen tissue using IL1β Rabbit mAb (A27676) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

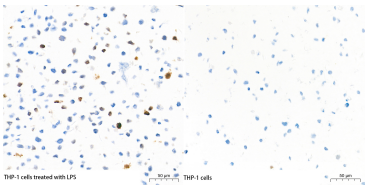


Immunohistochemistry analysis of paraffin-embedded SLE Mouse thymus tissue using IL1β Rabbit mAb (A27676) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Raw264.7 and Raw264.7 treated with LPS using IL1β Rabbit mAb (A27676) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded THP-1 and THP-1 treated with LPS using IL1β Rabbit mAb (A27676) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.