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IL-1 beta Rabbit mAb

Catalog No.: A29279 Recombinant

Basic Information

Observed MW
17 kDa/28 kDa/31 kDa

Calculated MW
31 kDa

Category
Primary antibody

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

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC83306

Background

Enables cytokine activity. Involved in several processes, including positive regulation of intracellular signal transduction; regulation of gene expression; and response to monosaccharide. Located in extracellular space. Used to study several diseases, including artery disease (multiple); brain disease (multiple); glomerulonephritis (multiple); interstitial lung disease (multiple); and kidney failure (multiple). Biomarker of several diseases, including artery disease (multiple); brain disease (multiple); kidney failure (multiple); liver disease (multiple); and lung disease (multiple). Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); blood platelet disease (multiple); cervix disease (multiple); eye disease (multiple); and lung disease (multiple). Orthologous to human IL1B (interleukin 1 beta).

Recommended Dilutions

WB	1:2000 - 1:15000
IF/ICC	1:200 - 1:400
IHC-P	1:200 - 1:800
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
24494

Swiss Prot
Q63264

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

Synonyms
IL1F2

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

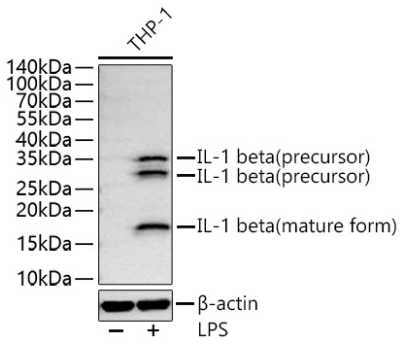
Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

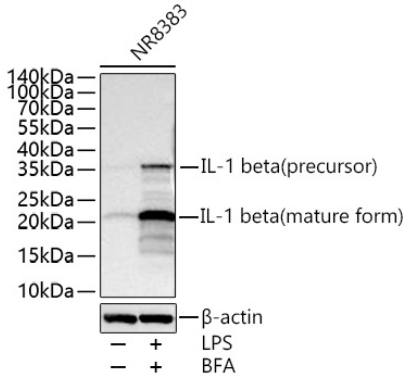
400-999-6126

cn.market@abclonal.com.cn

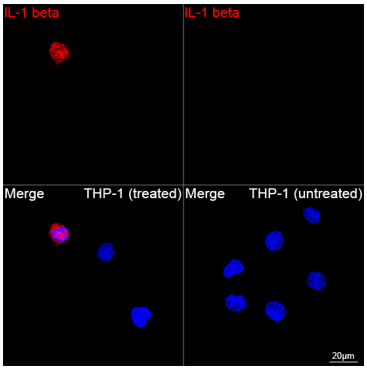
Validation Data



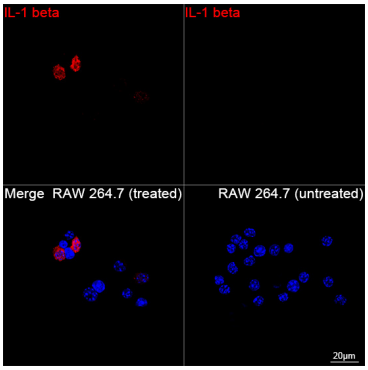
Western blot analysis of lysates from THP-1 cells using IL-1 beta Rabbit mAb (A29279) at 1:5000 dilution incubated overnight at 4℃. THP-1 cells were treated with LPS (1 μg/mL) at 37℃ for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



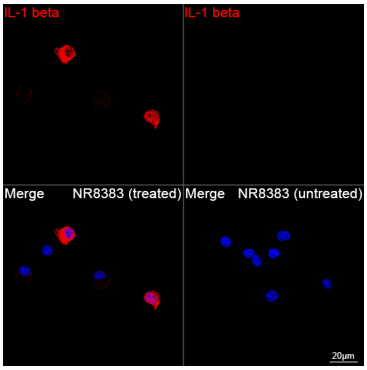
Western blot analysis of lysates from NR8383 cells using IL-1 beta Rabbit mAb (A29279) at 1:5000 dilution incubated overnight at 4℃. NR8383 cells were treated with LPS (100 ng/mL) at 37℃ for 4 hours and BFA (1 μg/mL) at 37℃ for 3 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) 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: 1 s.



Confocal imaging of THP-1 cells (treated with LPS) and THP-1 cells (untreated) using IL-1 beta Rabbit mAb (A29279, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

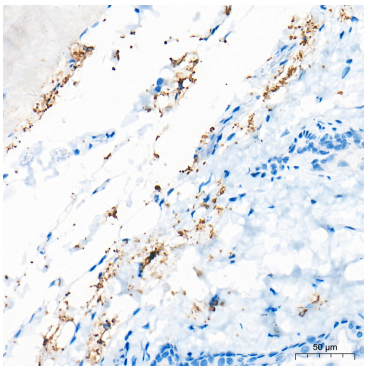


Confocal imaging of NR8383 cells (treated with BFA and LPS) and NR8383 cells (untreated) using IL-1 beta Rabbit mAb (A29279, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

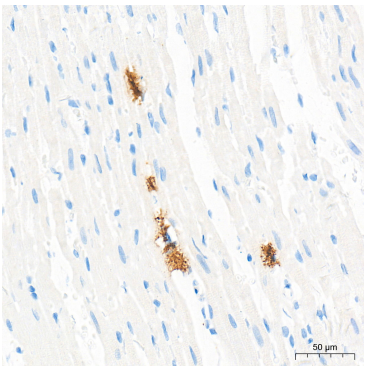


Confocal imaging of RAW 264.7 cells (treated with LPS) and RAW 264.7 cells (untreated) using IL-1 beta Rabbit mAb (A29279, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

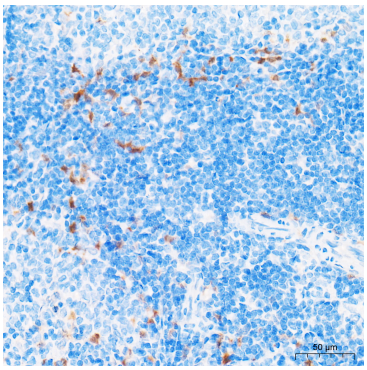
Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse skin tissue using IL-1 beta Rabbit mAb (A29279) at a dilution of 1:200 (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 Rat heart tissue using IL-1 beta Rabbit mAb (A29279) at a dilution of 1:200 (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 Rat spleen tissue using IL-1 beta Rabbit mAb (A29279) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.