

IL1 β Rabbit pAb

Catalog No.: A20527 **7 Publications**

Basic Information

Observed MW

31kDa//17kDa

Calculated MW

31kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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 | 1:500 - 1:1000 |
| IHC-P | 1:50 - 1:200 |
| IF/ICC | 1:50 - 1:200 |

Immunogen Information

Gene ID

16176

Swiss Prot

P10749

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 118-269 of mouse IL1 β (NP_032387.1).

Synonyms

IL-1b; IL-1beta; IL1 β

Contact

| | |
|---|---------------------------|
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| 🌐 | www.abclonal.com.cn |

Product Information

Source

Rabbit

Isotype

IgG

Purification

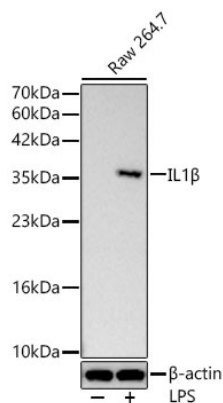
Affinity purification

Storage

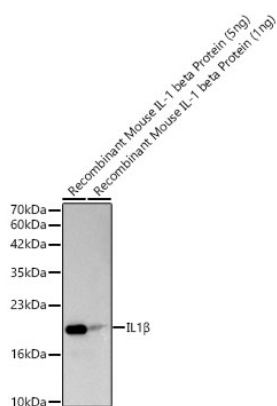
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

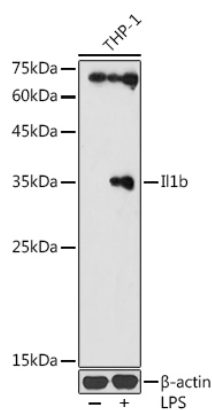
Validation Data



Western blot analysis of lysates from Raw 264.7 cells using IL1β Rabbit pAb (A20527) at 1:1000 dilution incubated overnight at 4°C. Raw264.7 cells were treated by LPS (200 ng/ml) at 37°C 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.

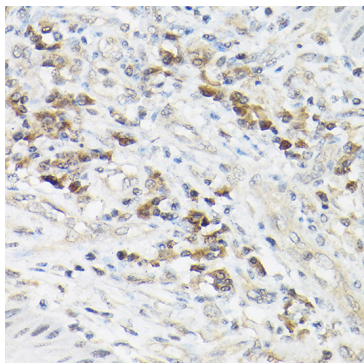


Western blot analysis of lysates from recombinant Mouse IL-1 beta Protein using IL1β Rabbit pAb (A20527) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 1ng/5ng µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

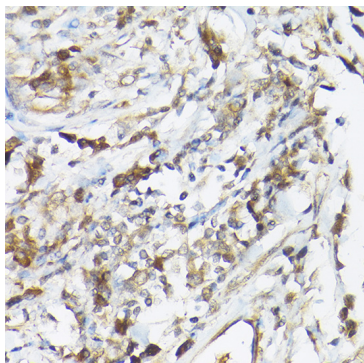


Western blot analysis of various lysates using IL1β Rabbit pAb (A20527) at 1:1000 dilution. THP-1 cells were treated by LPS (1 µg/ml) at 37°C for 8 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

Validation Data



Immunohistochemistry analysis of IL1 β in paraffin-embedded human esophageal cancer using IL1 β Rabbit pAb (A20527) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of IL1 β in paraffin-embedded human tonsil using IL1 β Rabbit pAb (A20527) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.