

IL1 β Rabbit pAb

Catalog No.: A20529 **8 Publications**

Basic Information

Observed MW

31kDa

Calculated MW

31kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

Enables cytokine activity. Involved in several processes, including positive regulation of intracellular signal transduction; regulation of gene expression; and regulation of neurogenesis. 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); auditory system disease (multiple); brain disease (multiple); kidney failure (multiple); and lung disease (multiple). Human ortholog(s) of this gene implicated in several diseases, including autoimmune disease (multiple); blood platelet disease (multiple); eye disease (multiple); gastrointestinal system cancer (multiple); and lung disease (multiple). Orthologous to human IL1B (interleukin 1 beta).

Recommended Dilutions

WB 1:500 - 1:1000

ELISA Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

24494

Swiss Prot

Q63264

Immunogen

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

Synonyms

IL-1F2; IL1 β

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

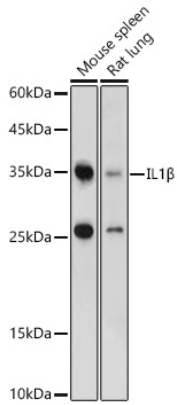
Affinity purification

Storage

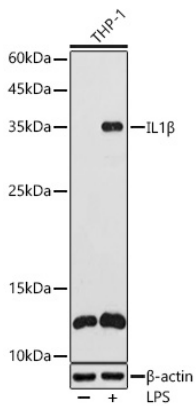
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, 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 IL1 β Rabbit pAb (A20529) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 180s.



Western blot analysis of lysates from THP-1 cells using IL1 β Rabbit pAb (A20529) at 1:1000 dilution. THP-1 cells were treated with LPS (1 μ g/ml) at 37°C for 8 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 μ g per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.