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Caspase-1 Rat mAb

Catalog No.: A21085 **4 Publications**

Basic Information

Observed MW
48kDa

Calculated MW
46kDa

Category
Primary antibody

Applications
WB,ELISA

Cross-Reactivity
Mouse

CloneNo number
ATC0001

Background

Enables cysteine-type endopeptidase activity. Involved in several processes, including positive regulation of I-kappaB kinase/NF-kappaB signaling; positive regulation of interleukin-1 beta production; and protein autoprocessing. Acts upstream of or within several processes, including membrane hyperpolarization; mitochondrial depolarization; and positive regulation of interleukin-1 alpha production. Located in extracellular region. Part of IPAF inflammasome complex. Is expressed in knee joint and metanephros. Orthologous to human CASP1 (caspase 1).

Recommended Dilutions

WB	1:1000 - 1:3000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
12362

Swiss Prot
P29452

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

Synonyms
ICE; Il1bc

Contact

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Product Information

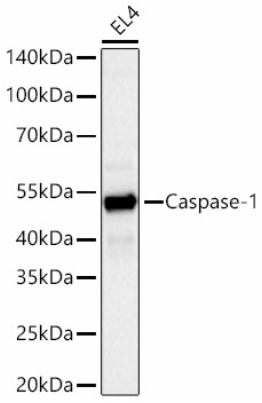
Source
Rat

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. 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 lysates from EL4 cells using Caspase-1 Rat mAb (A21085) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rat IgG (H+L) (AS028) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.