

# Caspase-1 Rat mAb

Catalog No.: A21085 **2 Publications**

## Basic Information

### Observed MW

48kDa/33kDa

### Calculated MW

46kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Mouse, Rat

### 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 - 1:2000**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 fusion protein containing a sequence corresponding to amino acids 206-220aa of mouse Caspase-1.

**Synonyms**

ICE; I11bc

## Contact

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## Product Information

**Source**

Rat

**Isotype**

IgG

**Purification**

Affinity purification

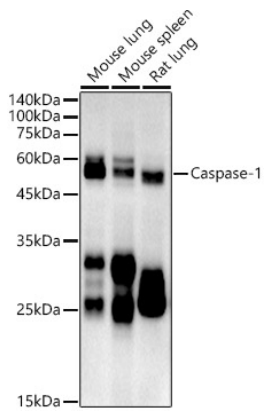
**Storage**

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

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

## Validation Data

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Western blot analysis of various lysates using Caspase-1 Rat mAb (A21085) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rat IgG (H+L) (AS028) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.