

Caspase-8 Rabbit mAb

Catalog No.: A29367 **Recombinant**

Basic Information

Observed MW

18 kDa/43 kDa

Calculated MW

55 kDa

Category

Primary antibody

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Mouse

CloneNo number

ARC3933

Background

This gene is part of a family of caspases, aspartate-specific cysteine proteases well studied for their involvement in immune and apoptosis signaling. This protein, an initiator of apoptotic cell death, is activated by death-inducing tumor necrosis family receptors and targets downstream effectors. In mouse deficiency of this gene can cause embryonic lethality. This protein may have a role in embryogenesis. Alternative splicing results in multiple transcript variants that encode different protein isoforms.

Recommended Dilutions

WB 1:3000 - 1:15000

IF/ICC 1:200 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

12370

Swiss Prot

O89110

Immunogen

This information is considered to be commercially sensitive.

Synonyms

MACH; Mch5; FLICE; CASP-8

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

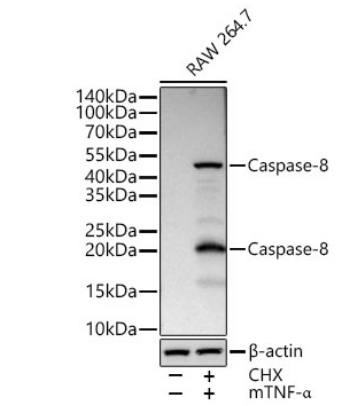
Contact

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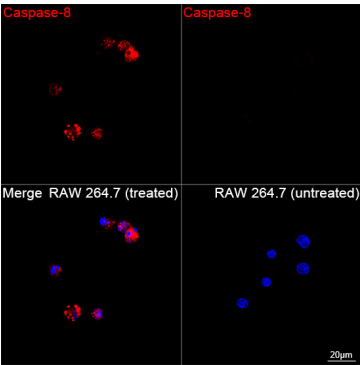
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Validation Data



Western blot analysis of lysates from RAW 264.7 cells using Caspase-8 Rabbit mAb (A29367) at 1:7000 dilution incubated overnight at 4°C. RAW 264.7 cells were treated with CHX (10 ug/mL) at 37°C for 18 hours and mTNF-α (200 ng/mL) at 37°C for 4 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: 5 s.



Confocal imaging of RAW 264.7 cells (treated with CHX and TNF-α) and RAW 264.7 cells (untreated) using Caspase-8 Rabbit mAb (A29367, dilution 1:500) 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.