

# Caspase-11 Rabbit Polyclonal Antibody



CAB6495

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

30kDa

### Calculated MW:

13kDa/18kDa/30kDa/36kDa/  
43kDa

### Applications:

WB

### Reactivity:

Mouse

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene encodes a member of the cysteine proteases that plays important roles in apoptosis, cell migration and the inflammatory response. The encoded protein mediates production of pro-inflammatory cytokines by macrophages upon bacterial infection. Mice lacking the encoded protein are resistant to endotoxic shock induced by lipopolysaccharide. A 5-bp deletion encompassing a splice acceptor junction resulting in alternate splicing and a shorter non-functional isoform in certain mouse strains has been described. Although its official nomenclature is "caspase 4, apoptosis-related cysteine peptidase", this gene and its encoded protein have historically been called caspase 11. This gene is present in a cluster of three caspase genes on chromosome 9.

## Immunogen information

### Gene ID:

12363

### Uniprot

### Synonyms:

Cas; ich-; Caspa; Caspl; ich-3; CASP-4; Casp11; CASP-11

### Immunogen:

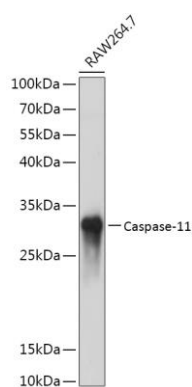
Recombinant fusion protein containing a sequence corresponding to amino acids 81-266 of mouse Caspase-4 (P70343).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of RAW264.7 cells, using Caspase-11 antibody (CAB6495) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 300s.