

Caspase-11 Rabbit pAb

Catalog No.: A6495

9 Publications

Basic Information

Observed MW

43kDa

Calculated MW

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

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse

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.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

12363

Swiss Prot

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 200-300 of mouse Caspase-4 (NP_031635.2).

Synonyms

Casp1; ich-3; CASP-4; Casp11; CASP-11; Caspase-11

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

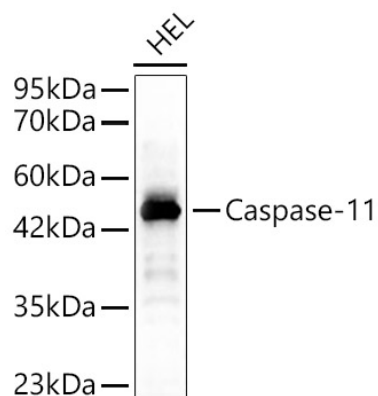
Affinity purification

Storage

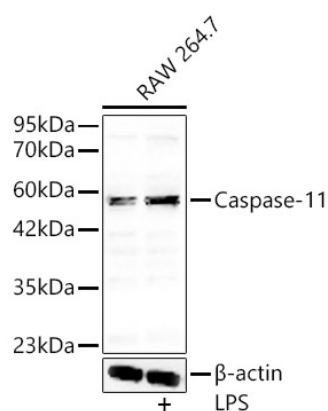
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Western blot analysis of lysates from HEL cells, using Caspase-11 Rabbit pAb (A6495) at 1:700 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 120s.



Western blot analysis of lysates from RAW 264.7 cells, using Caspase-11 Rabbit pAb (A6495) at 1:700 dilution. Raw 264.7 cells were treated by LPS (1 µg/ml) at 37°C for 8 hours.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 120s.