

Datasheet for ABIN2811125

**anti-Caspase 12 antibody (AA 201-300) (AbBy Fluor® 594)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                   |
| Target:              | Caspase 12 (CASP12)                                                                                                                                      |
| Binding Specificity: | AA 201-300                                                                                                                                               |
| Reactivity:          | Mouse, Rat                                                                                                                                               |
| Host:                | Rabbit                                                                                                                                                   |
| Clonality:           | Polyclonal                                                                                                                                               |
| Conjugate:           | This Caspase 12 antibody is conjugated to AbBy Fluor® 594                                                                                                |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)),<br>Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from mouse Caspase 12 |
| Isotype:          | IgG                                                            |
| Cross-Reactivity: | Mouse, Rat                                                     |
| Purification:     | Purified by Protein A.                                         |

## Target Details

|                   |                                                |
|-------------------|------------------------------------------------|
| Target:           | Caspase 12 (CASP12)                            |
| Alternative Name: | Caspase 12 ( <a href="#">CASP12 Products</a> ) |
| Background:       | Synonyms: Caspase-12, CASP-12, Casp12          |

## Target Details

Background: Caspases are cysteine proteases that cleave C-terminal aspartic acid residues on their substrate molecules. This gene is most highly related to members of the ICE subfamily of caspases that process inflammatory cytokines. In rodents, the homolog of this gene mediates apoptosis in response to endoplasmic reticulum stress. However, in humans this gene contains a polymorphism for the presence or absence of a premature stop codon. The majority of human individuals have the premature stop codon and produce a truncated non-functional protein. The read-through codon occurs primarily in individuals of African descent and carriers have endotoxin hypo-responsiveness and an increased susceptibility to severe sepsis. Several alternatively spliced transcript variants have been noted for this gene. [provided by RefSeq, Feb 2011].

Gene ID: 12364

UniProt: [O08736](#)

Pathways: [Apoptosis](#), [ER-Nucleus Signaling](#), [Positive Regulation of Endopeptidase Activity](#), [Unfolded Protein Response](#)

## Application Details

Application Notes: FCM 1:20-100  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |