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Datasheet for ABIN3030291

## anti-Caspase 12 antibody (AA 165-193)

### 7 Images

#### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 0.4 mL   |
| Target:              | Caspase 12 (CASP12)  |
| Binding Specificity: | AA 165-193   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF) |

#### Product Details

|               |   |
|---------------|---|
| Immunogen:    | A portion of amino acids 165-193 from the human protein was used as the immunogen for this Caspase-12 antibody. |
| Isotype:      | Ig Fraction   |
| Purification: | Antigen affinity purified   |

#### Target Details

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

## Target Details

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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.

UniProt: [Q6UXS9](#)

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

## Application Details

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Application Notes: Titration of the Caspase-12 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50,Flow Cytometry: 1:10-1:50,Immunofluorescence: 1:10-1:50

Restrictions: For Research Use only

## Handling

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Format: Liquid

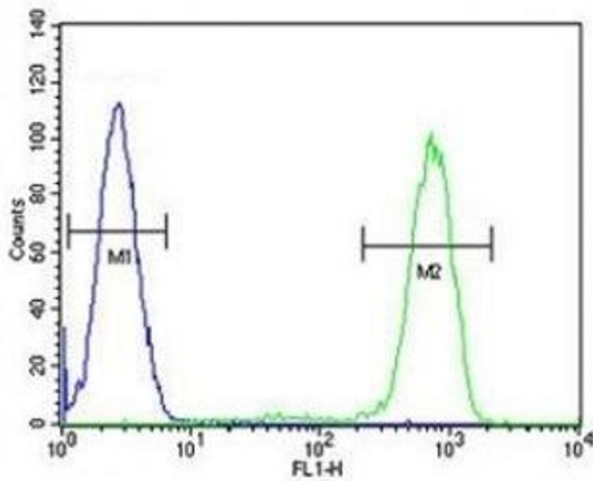
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

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

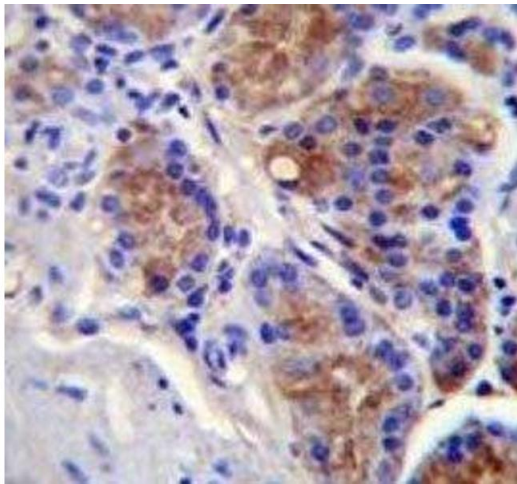
Storage: -20 °C

Storage Comment: Aliquot the Caspase-12 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



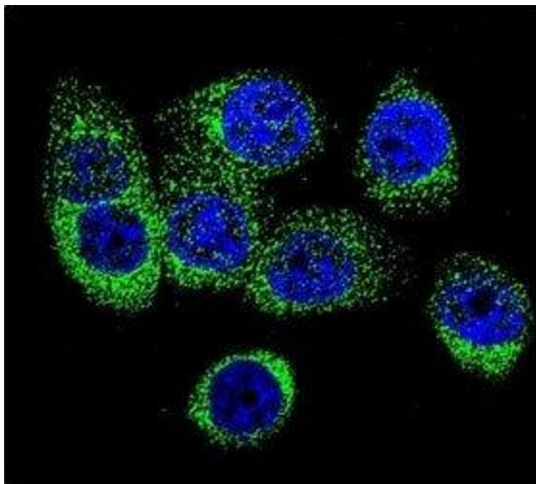
### Flow Cytometry

**Image 1.** Caspase-12 antibody flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



### Immunohistochemistry

**Image 2.** Caspase-12 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue.



### Immunofluorescence

**Image 3.** Confocal immunofluorescent analysis of Caspase-12 antibody with 293 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3030291.