



Datasheet for ABIN655966

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



[Go to Product page](#)

### 4 Images

#### Overview

Quantity:	400 µL
Target:	Caspase 12 (CASP12)
Binding Specificity:	AA 165-193
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (IF)

#### Product Details

Immunogen:	This CASP12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 165-193 amino acids from the Central region of human CASP12.
Clone:	RB31705
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Target Details

Target:	Caspase 12 (CASP12)
Alternative Name:	CASP12 ( <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

## Target Details

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caspsases 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.

Molecular Weight: 38907

Gene ID: 120329

NCBI Accession: [NP\\_001177945](#)

UniProt: [Q6UXS9](#)

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

## Application Details

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Application Notes: IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50. FC: 1:10~50

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

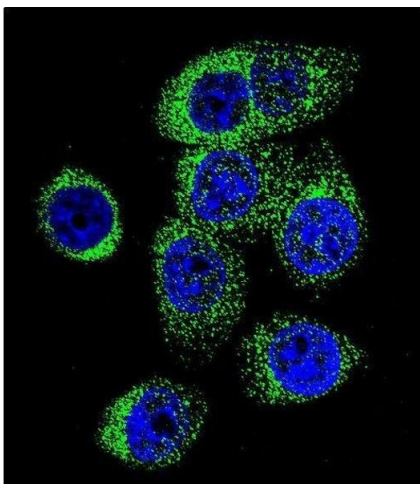
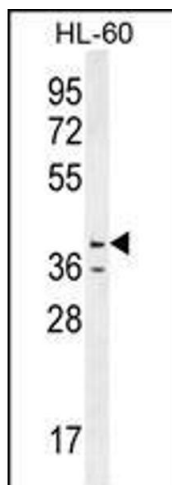
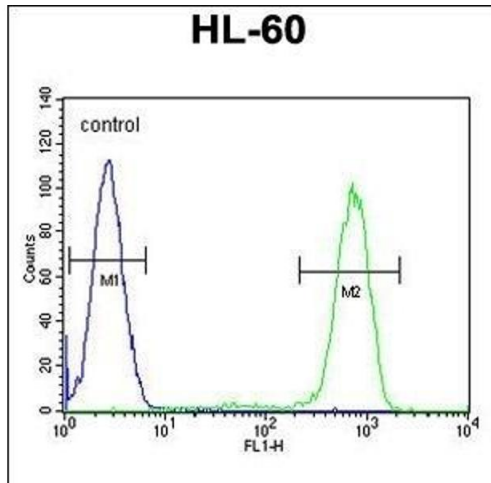
Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



### Flow Cytometry

**Image 1.** CASP12 Antibody (Center) (ABIN655966 and ABIN2845350) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** CASP12 Antibody (Center) (ABIN655966 and ABIN2845350) western blot analysis in HL-60 cell line lysates (35 µg/lane). This demonstrates the CASP12 antibody detected the CASP12 protein (arrow).

### Immunofluorescence

**Image 3.** Confocal immunofluorescent analysis of CASP12 Antibody (Center) (ABIN655966 and ABIN2845350) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN655966.