

Datasheet for ABIN3030306  
**anti-Caspase 3 antibody (AA 60-90)**



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6 Images

## Overview

|                      |                                                                                 |
|----------------------|---------------------------------------------------------------------------------|
| Quantity:            | 0.4 mL                                                                          |
| Target:              | Caspase 3 (CASP3)                                                               |
| Binding Specificity: | AA 60-90                                                                        |
| Reactivity:          | Human                                                                           |
| Host:                | Rabbit                                                                          |
| Clonality:           | Polyclonal                                                                      |
| Conjugate:           | This Caspase 3 antibody is un-conjugated                                        |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS) |

## Product Details

|               |                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | A portion of amino acids 60-90 from the human protein was used as the immunogen for this anti-Caspase-3 antibody. |
| Isotype:      | Ig Fraction                                                                                                       |
| Purification: | Purified                                                                                                          |

## Target Details

|                   |                                                                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | Caspase 3 (CASP3)                                                                                                                                                                                                                                                            |
| Alternative Name: | Caspase-3 ( <a href="#">CASP3 Products</a> )                                                                                                                                                                                                                                 |
| Background:       | CASP3 is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic |

## Target Details

residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease.

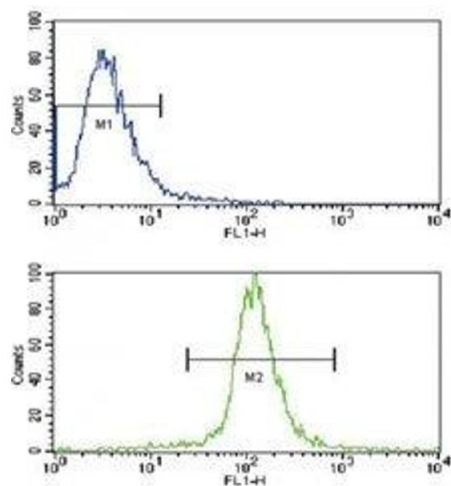
|           |                                                                                                                                                                                                                                                                                |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt:  | <a href="#">P42574</a>                                                                                                                                                                                                                                                         |
| Pathways: | <a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Activated T Cell Proliferation</a> |

## Application Details

|                    |                                                                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Titration of the anti-Caspase-3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50,IHC (Paraffin): 1:10-1:50 |
| Restrictions:      | For Research Use only                                                                                                                                                                                    |

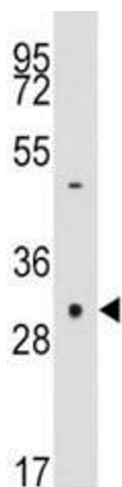
## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| 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 anti-Caspase-3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.            |



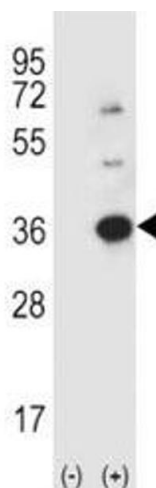
### Flow Cytometry

**Image 1.** Flow cytometric analysis of NCI-H460 cells using anti-Caspase-3 antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



### Western Blotting

**Image 2.** Western blot analysis of anti-Caspase-3 antibody and NCI-H460 lysate. Expected size ~32 KDa



### Western Blotting

**Image 3.** Western blot analysis using anti-Caspase-3 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (2) with the CASP3 gene.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3030306.