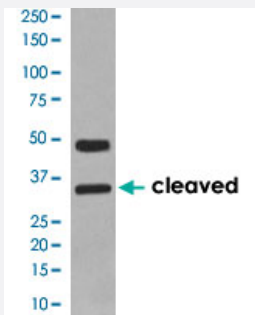


# CASP2 monoclonal antibody, clone DGC-3

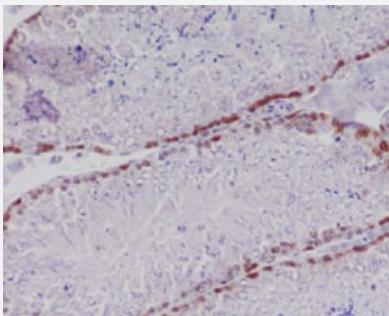
Catalog # MAB19698      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with CASP2 monoclonal antibody, clone DGC-3 (Cat # MAB19698).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of mouse testis with CASP2 monoclonal antibody, clone DGC-3 (Cat # MAB19698).

## Specification

|                             |                                                                             |
|-----------------------------|-----------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit monoclonal antibody raised against synthetic peptide of human CASP2. |
| <b>Immunogen</b>            | A synthetic peptide corresponding to human CASP2.                           |
| <b>Host</b>                 | Rabbit                                                                      |
| <b>Theoretical MW (kDa)</b> | 50.685                                                                      |
| <b>Reactivity</b>           | Human                                                                       |
| <b>Form</b>                 | Liquid                                                                      |
| <b>Purification</b>         | Affinity purification                                                       |

|                     |                                                                                                                                                                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Isotype             | IgG                                                                                                                                                                                                                                                                             |
| Recommend Usage     | Flow Cytometry<br>Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).                                                                                                                                                                                                                 |
| Storage Instruction | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.                                                                                           |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                                                                          |

## Applications

- Western Blot (Cell lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunocytochemistry

- Immunofluorescence

- Flow Cytometry

## Gene Info — CASP2

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Entrez GeneID      | <a href="#">835</a>                             |
| Protein Accession# | <a href="#">P42575</a>                          |
| Gene Name          | CASP2                                           |
| Gene Alias         | CASP-2, ICH-1L, ICH-1L/1S, ICH1, NEDD2          |
| Gene Description   | caspase 2, apoptosis-related cysteine peptidase |

Omim ID [600639](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

This gene encodes a protein which 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 residues to produce two subunits, large and small, that dimerize to form the active enzyme. The proteolytic cleavage of this protein is induced by a variety of apoptotic stimuli. Alternative splicing of this gene results in multiple transcript variants that encode different isoforms. [provided by RefSeq]

**Other Designations**

ICH-1 protease|NEDD2 apoptosis regulatory|caspase 2|neural precursor cell expressed, developmentally down-regulated 2

## Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Prostatic Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)