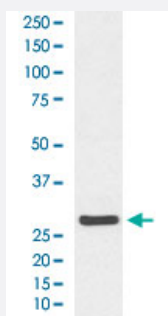


# CASP14 monoclonal antibody, clone ICI-3

Catalog # MAB19697      Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western Blot analysis of human skin tissue lysate with CASP14 monoclonal antibody, clone ICI-3 (Cat # MAB19697).

## Specification

**Product Description** Rabbit monoclonal antibody raised against synthetic peptide of human CASP14.

**Immunogen** A synthetic peptide corresponding to human CASP14.

**Host** Rabbit

**Theoretical MW (kDa)** 27.68

**Reactivity** Human

**Form** Liquid

**Purification** Affinity purification

**Isotype** IgG

**Recommend Usage**

- Flow Cytometry (1:50)
- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Immunohistochemistry (1:50-1:200)
- Immunoprecipitation (1:50)
- Western Blot (1:500-1:2000)

The optimal working dilution should be determined by the end user.

|                            |                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Buffer</b>      | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).                                                                                                                       |
| <b>Storage Instruction</b> | 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. |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                |

## Applications

- Western Blot (Tissue lysate)

Western Blot analysis of human skin tissue lysate with CASP14 monoclonal antibody, clone ICI-3 (Cat # MAB19697).

- Immunohistochemistry

- Immunocytochemistry

- Immunofluorescence

- Immunoprecipitation

- Flow Cytometry

## Gene Info — CASP14

|                      |                       |
|----------------------|-----------------------|
| <b>Entrez GeneID</b> | <a href="#">23581</a> |
|----------------------|-----------------------|

|                           |                        |
|---------------------------|------------------------|
| <b>Protein Accession#</b> | <a href="#">P31944</a> |
|---------------------------|------------------------|

|                  |        |
|------------------|--------|
| <b>Gene Name</b> | CASP14 |
|------------------|--------|

|                   |                      |
|-------------------|----------------------|
| <b>Gene Alias</b> | MGC119078, MGC119079 |
|-------------------|----------------------|

|                         |                                                  |
|-------------------------|--------------------------------------------------|
| <b>Gene Description</b> | caspase 14, apoptosis-related cysteine peptidase |
|-------------------------|--------------------------------------------------|

|                |                        |
|----------------|------------------------|
| <b>Omim ID</b> | <a href="#">605848</a> |
|----------------|------------------------|

|                      |                           |
|----------------------|---------------------------|
| <b>Gene Ontology</b> | <a href="#">Hyperlink</a> |
|----------------------|---------------------------|

**Gene Summary**

This gene encodes 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. This caspase has been shown to be processed and activated by caspase 8 and caspase 10 in vitro, and by anti-Fas agonist antibody or TNF-related apoptosis inducing ligand in vivo. The expression and processing of this caspase may be involved in keratinocyte terminal differentiation, which is important for the formation of the skin barrier. [provided by RefSeq]

**Other Designations**

apoptosis-related cysteine protease|caspase 14|caspase 14, apoptosis-related cysteine protease

**Disease**

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Occupational Diseases](#)
- [Prostatic Neoplasms](#)
- [Stomach Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)