

# CASP2 (Human) Cell-Based ELISA Kit

Catalog # KA2636

Size 1 Kit

## Specification

|                            |                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | CASP2 (Human) Cell-Based ELISA Kit is an indirect enzyme-linked immunoassay for qualitative determination of CASP2 expression in cultured cells. |
| <b>Suitable Sample</b>     | Attached Cell, Loosely Attached Cell, Suspension Cell                                                                                            |
| <b>Label</b>               | HRP-conjugated                                                                                                                                   |
| <b>Detection Method</b>    | Colorimetric                                                                                                                                     |
| <b>Assay Type</b>          | Qualitative                                                                                                                                      |
| <b>Reactivity</b>          | Human                                                                                                                                            |
| <b>Regulation Status</b>   | For research use only (RUO)                                                                                                                      |
| <b>Storage Instruction</b> | Store the kit at 4°C.                                                                                                                            |

## Applications

- Qualitative

## Gene Info — CASP2

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">835</a>                             |
| <b>Protein Accession#</b> | <a href="#">P42575</a>                          |
| <b>Gene Name</b>          | CASP2                                           |
| <b>Gene Alias</b>         | CASP-2, ICH-1L, ICH-1L/1S, ICH1, NEDD2          |
| <b>Gene Description</b>   | 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](#)