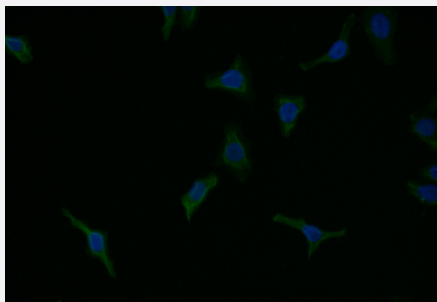


RecomAb™

# CASP9 recombinant monoclonal antibody, clone 8G5

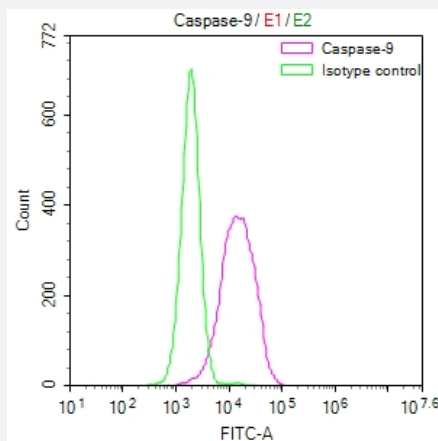
Catalog # RAB07772      Size 100 uL

## Applications



### Immunofluorescence

Immunofluorescence staining of HepG2 Cells with CASP9 recombinant monoclonal antibody, clone 8G5 at 1:7, counter-stained with DAPI.



### Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with CASP9 recombinant monoclonal antibody, clone 8G5 (red line) at 1:50.

## Specification

|                     |                                                                                       |
|---------------------|---------------------------------------------------------------------------------------|
| Product Description | Rabbit recombinant monoclonal antibody raised against human CASP9.                    |
| Antibody Species    | Rabbit                                                                                |
| Immunogen           | Original antibody is raised against a synthetic peptide corresponding to human CASP9. |
| Reactivity          | Human                                                                                 |
| Form                | Liquid                                                                                |

|                     |                                                                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Purification        | Affinity chromatography purification                                                                                                        |
| Isotype             | IgG                                                                                                                                         |
| Recommend Usage     | ELISA<br>Flow Cytometry(1:50-1:200)<br>Immunofluorescence(1:20-1:200)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)                                                                            |
| Storage Instruction | Store at -20°C or -80°C.<br>Aliquot to 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

- Immunofluorescence

Immunofluorescence staining of HepG2 Cells with CASP9 recombinant monoclonal antibody, clone 8G5 at 1:7, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with CASP9 recombinant monoclonal antibody, clone 8G5 (red line) at 1:50.

## Gene Info — CASP9

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Entrez GeneID      | <a href="#">842</a>                             |
| Protein Accession# | <a href="#">P55211</a>                          |
| Gene Name          | CASP9                                           |
| Gene Alias         | APAF-3, APAF3, CASPASE-9c, ICE-LAP6, MCH6       |
| Gene Description   | caspase 9, apoptosis-related cysteine peptidase |
| Omim ID            | <a href="#">602234</a>                          |
| Gene Ontology      | <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 protein is processed by caspase APAF1; this step is thought to be one of the earliest in the caspase activation cascade. Alternative splicing results in two transcript variants which encode different isoforms. [provided by RefSeq]

**Other Designations**

ICE-like apoptotic protease 6|OTTHUMP00000002322|OTTHUMP00000002323|OTTHUMP0000044594|apoptotic protease MCH-6|apoptotic protease activating factor 3|caspase 9|caspase 9, apoptosis-related cysteine protease

## Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [Non-small cell lung cancer](#)
- [p53 signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)
- [VEGF signaling pathway](#)

## Disease

- [Adenocarcinoma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Clubfoot](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hepatitis](#)
- [Hodgkin Disease](#)
- [Intestinal Fistula](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [NARP](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

- [Neovascularization](#)
- [Occupational Diseases](#)
- [Pancreatic Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Small Cell Lung Carcinoma](#)
- [Stomach Neoplasms](#)
- [Substance-Related Disorders](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)