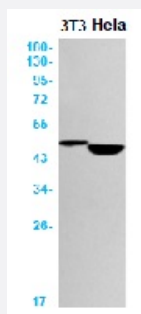


RecomAb™

# CASP9 recombinant monoclonal antibody, clone R09-4C4

Catalog # RAB01684      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Caspase9 in 3T3, HeLa lysates using human Caspase-9 recombinant monoclonal antibody, clone R09-4C4 (Cat # RAB01684).

## Specification

|                             |                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit recombinant monoclonal antibody raised against human Caspase-9.                                                           |
| <b>Antibody Species</b>     | Rabbit                                                                                                                           |
| <b>Immunogen</b>            | Original antibody is raised against recombinant protein corresponding to human Caspase-9                                         |
| <b>Theoretical MW (kDa)</b> | Calculated MW: 46 kD                                                                                                             |
| <b>Reactivity</b>           | Human                                                                                                                            |
| <b>Form</b>                 | Liquid                                                                                                                           |
| <b>Purification</b>         | Affinity purification                                                                                                            |
| <b>Isotype</b>              | IgG                                                                                                                              |
| <b>Recommend Usage</b>      | Immunoprecipitation (1:20)<br>Western Blot (1:500-1:1,000)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)                                      |

**Storage Instruction**

Store at 4°C for short term. For long term storage store at -20°C.  
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

- Western Blot

Western blot analysis of Caspase9 in 3T3, Hela lysates using human Caspase-9 recombinant monoclonal antibody, clone R09-4C4 (Cat # RAB01684).

- Immunoprecipitation

## Gene Info — CASP9

**Entrez GeneID**[842](#)**Protein Accession#**[P55211](#)**Gene Name**

CASP9

**Gene Alias**

APAF-3, APAF3, CASPASE-9c, ICE-LAP6, MCH6

**Gene Description**

caspase 9, apoptosis-related cysteine peptidase

**Omim ID**[602234](#)**Gene Ontology**[Hyperlink](#)**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](#)