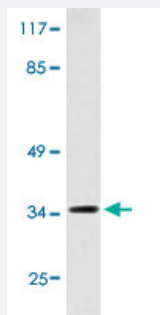


# CASP9 polyclonal antibody

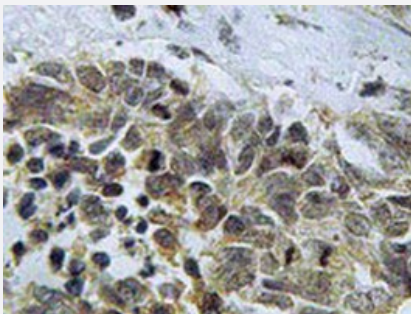
Catalog # PAB24867      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with CASP9 polyclonal antibody (Cat # PAB24867).



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

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using CASP9 polyclonal antibody (Cat # PAB24867).

## Specification

|                      |                                                                       |
|----------------------|-----------------------------------------------------------------------|
| Product Description  | Rabbit polyclonal antibody raised against synthetic peptide of CASP9. |
| Immunogen            | A synthetic peptide corresponding to CASP9.                           |
| Host                 | Rabbit                                                                |
| Theoretical MW (kDa) | 35                                                                    |
| Reactivity           | Human                                                                 |
| Specificity          | CASP9 polyclonal antibody detects endogenous levels of CASP9 protein. |
| Form                 | Liquid                                                                |

|                     |                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purification        | Antigen affinity purification                                                                                                                                             |
| Concentration       | 1 mg/mL                                                                                                                                                                   |
| Purity              | > 95% by SDS-PAGE                                                                                                                                                         |
| Recommend Usage     | Western Blot (1:500-1:1000)<br>Immunohistochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In 1x PBS, pH 7.2 (0.05% sodium azide)                                                                                                                                    |
| Storage Instruction | Store at 4°C. For long term storage store at -20°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

- Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with CASP9 polyclonal antibody (Cat # PAB24867).

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

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using CASP9 polyclonal antibody (Cat # PAB24867).

- Immunofluorescence

## Gene Info — CASP9

|                  |                                                 |
|------------------|-------------------------------------------------|
| Entrez GeneID    | <a href="#">842</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](#)