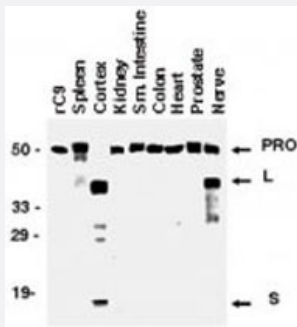


CASP9 polyclonal antibody

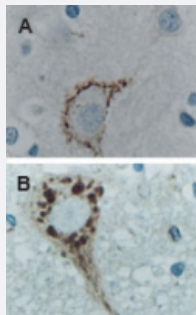
Catalog # PAB0248 Size 50 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of CASP9. Various tissue lysates were prepared from human autopsy material and normalized for total protein. Most tissues contained the ~50 KDa pro-CASP9 protein. Cleaved CASP9 was identified in brain cortex and peripheral nerve tissue samples. Pro-C9 : recombinant human pro-CASP9 (full-length) protein. PRO : pro-CASP9. L : large subunit of cleaved CASP9. S : small subunit of cleaved CASP9.



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

Immunohistochemical analysis of CASP9 expression in formalin-fixed, paraffin-embedded mouse brain tissue sections. Using CASP9 polyclonal antibody (Cat # PAB0248) at 1 : 2000. Hematoxylin-eosin counterstain. A : Brain striatum. B : Brain stem motor neuron.

Specification

Product Description Rabbit polyclonal antibody raised against full length recombinant CASP9.

Immunogen Recombinant protein corresponding to full length human CASP9.

Host Rabbit

Reactivity Dog, Gerbils, Human, Mouse, Rat

Form Liquid

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

Storage Buffer In serum (0.05% sodium azide)

Storage Instruction

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 (Tissue lysate)

Western blot analysis of CASP9. Various tissue lysates were prepared from human autopsy material and normalized for total protein. Most tissues contained the ~50 KDa pro-CASP9 protein. Cleaved CASP9 was identified in brain cortex and peripheral nerve tissue samples. Pro-C9 : recombinant human pro-CASP9 (full-length) protein. PRO : pro-CASP9. L : large subunit of cleaved CASP9. S : small subunit of cleaved CASP9.

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- Immunohistochemistry (Frozen sections)

- Immunoprecipitation

Gene Info — CASP9

Entrez GeneID[842](#)**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

Publication Reference

- [Early processing of Bid and caspase-6, -8, -10, -14 in the canine brain during cardiac arrest and resuscitation.](#)

Krajewska M, Rosenthal RE, Mikolajczyk J, Stennicke HR, Wiesenthal T, Mai J, Naito M, Salvesen GS, Reed JC, Fiskum G, Krajewski S.

Experimental Neurology 2004 Oct; 189(2):261.

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](#)