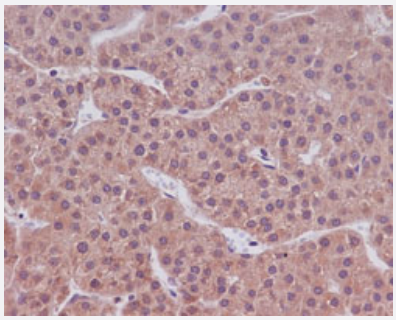
CASP9 monoclonal antibody, clone AOC-3

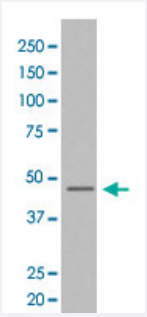
Catalog # MAB19641 Size 100 uL

Applications



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

Immunohistochemical staining of human liver cancer.



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis of HeLa cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human CASP9.
Immunogen	A synthetic peptide corresponding to human CASP9.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Recommend Usage	Flow Cytometry Immunoprecipitation (1:50) Immunocytochemistry (1:50-200) Immunofluorescence (1:50-200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical staining of human liver cancer.

- Immunofluorescence
- Immunocytochemistry
- Flow Cytometry
- Immunoprecipitation
- Western Blot (Cell lysate)

  Western Blot (Cell lysate) analysis of HeLa cell lysate.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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|OTTHUMP00000044594|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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.