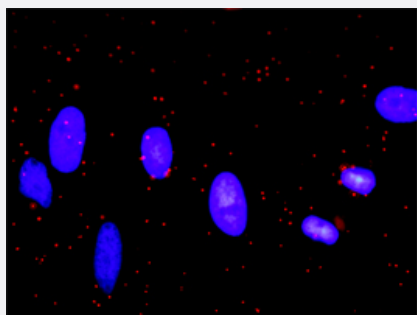


CASP9 monoclonal antibody (M02), clone 4F12-G6

Catalog # H00000842-M02

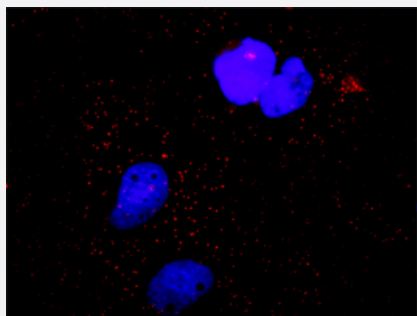
Size 100 ug

Applications



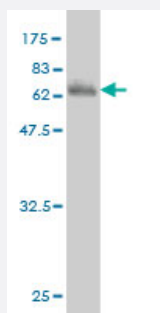
In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between BCL2L1 and CASP9. HeLa cells were stained with anti-BCL2L1 rabbit purified polyclonal 1:1200 and anti-CASP9 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MAPK3 and CASP9. Huh7 cells were stained with anti-MAPK3 rabbit purified polyclonal 1:1200 and anti-CASP9 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (71.5 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant CASP9.

Immunogen	CASP9 (AAH02452.1, 1 a.a. ~ 416 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDEADRRLLRRCLRLVEELQVDQLWDALLSRELFRPHMEDIQRAGSGSRRDQARQLIDLETRGSQALPLFISCLEDTGQDMLASFLRTNRQAAKLSKPTLENLTPVVL RPEIRKPEVLRPETPRPVDI GSGGFQDVGALESLRGNADLAYILSMEPCGHCLINNVNFCRESGLRTRTGSNIDCEKLRRRFSSLHFMVEVKGDLTAKKMVLALLELAQQDHGALDCCVVVILSHGCQASHLQFPGAVYGTGCPVSV EKIVNIFNGTSCPSLGGKPKLFFIQACGGEQKDHGFVASTSPEDESPGSNPEPDATPFQEGLRTFDQLDAISSLPTPSDIFVSYSTFPGFVSWRDPKSGSWYVETLDDIFEQWAHSEDLQSLLLRVANA VSVKGYKQMPGCFNFLRKKLFFKTS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (72); Rat (72)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (71.5 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between BCL2L1 and CASP9. HeLa cells were stained with anti-BCL2L1 rabbit purified polyclonal 1:1200 and anti-CASP9 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between MAPK3 and CASP9. Huh7 cells were stained with anti-MAPK3 rabbit purified polyclonal 1:1200 and anti-CASP9 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — CASP9

Entrez GeneID [842](#)

GeneBank Accession# [BC002452](#)

Protein Accession# [AAH02452.1](#)

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](#)
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- [Hematologic Diseases](#)
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- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
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- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Occupational Diseases](#)
- [Pancreatic Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Small Cell Lung Carcinoma](#)
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- [Substance-Related Disorders](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)