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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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

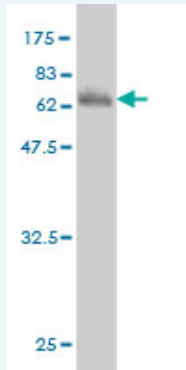
Catalog # : H00000842-M02

規格 : [100 ug]

[List All](#)

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:	MDEADRRLLRRCRLRLVEELQVDQLWDALLSRELFRPHMEDIQRAGSG SRRDQARQLIIDLETRGSQALPLFISCLEDTGQDMLASFLRTNRQAAKLS KPTLENLTPVLRPEIRKPEVLRPETPRPVDIGSGGFVDVGALESRLGNA DLAYILSMEPCGHCLIIINNVNFCRESGLRTRTGSNIDCEKLRFRFSSLHFM VEVKGDLTAKKMLALLELAQQDHGALDCCVVVILSHGCQASHLQFPGA VYGTDCGPVSVKIVNIFNGTSCPSLGGKPKLFFIQACGGEQKDHGFEV ASTSPEDESPGSNPEPDATPFQEGLRTFDQLDAISSLPTPSDIFVSYSTF PGFVSWRDPKSGSWYVETLDDIFEQWAHSEDLQSLLLRVANAVSVKGIY KQMPGCFNFLRKKLFFKTS
Host:	Mouse
Reactivity:	Human
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.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Western Blot (Recombinant protein)

[Protocol Download](#)

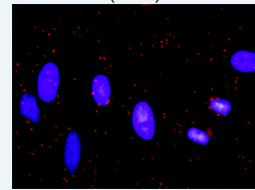
ELISA

Application Image

Western Blot (Recombinant protein)

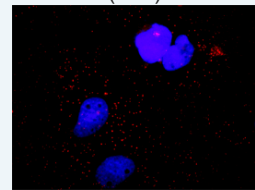
ELISA

In situ Proximity Ligation Assay (Cell)



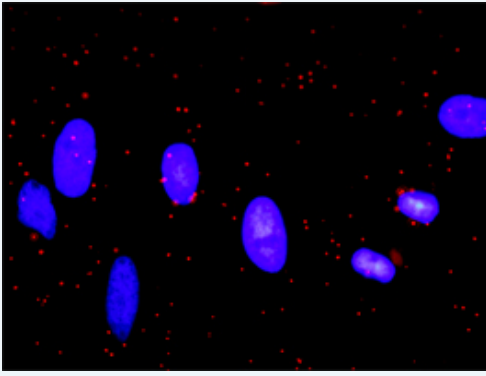
[enlarge](#)

In situ Proximity Ligation Assay (Cell)



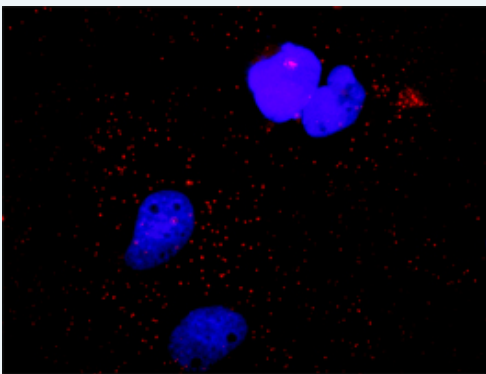
[enlarge](#)

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 Information

Entrez GeneID: [842](#)

GeneBank [BC002452](#)

Accession#:

Protein [AAH02452.1](#)

Accession#:

Gene Name: CASP9

Gene Alias: APAF-3, APAF3, CASPASE-9c, ICE-LAP6, MCH6

Gene Description: caspase 9, apoptosis-related cysteine peptidase

Omim ID: [602234](#)

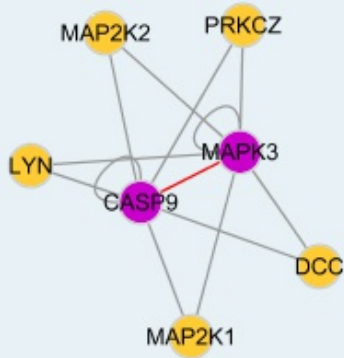
Gene Ontology: [Hyperlink](#)

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 ICE-like apoptotic protease
Designations: 6,OTTHUMP00000002322,OTTHUMP00000002323,OTTHUMP000000044594,apoptotic protease MCH-6,apoptotic protease activating factor 3,caspase 9,caspase 9, apoptosis-related cysteine protease

Interactome



Gene Pathway

[Alzheimer's disease](#) [Amyotrophic lateral sclerosis \(ALS\)](#) [Apoptosis](#) [Colorectal cancer](#)
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[Small cell lung cancer](#) [VEGF signaling pathway](#)

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