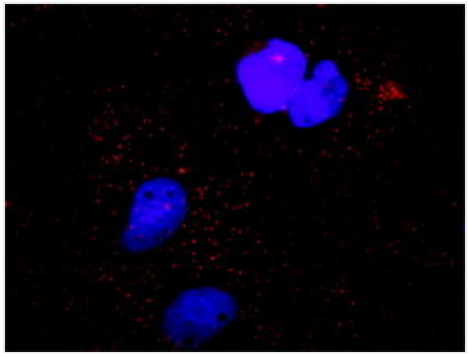
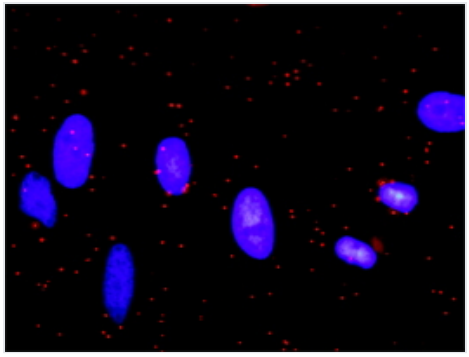
CASP9 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CASP9, Monoclonal Antibody
Full Product Name	CASP9 (Caspase 9, Apoptosis-Related Cysteine Peptidase, APAF-3, APAF3, Caspase-9c, ICE-LAP6, MCH6) (APC)
Product Gene Name	anti-CASP9 antibody
Product Synonym Names	Caspase 9; Apoptosis-Related Cysteine Peptidase; APAF-3; APAF3; Caspase-9c; ICE-LAP6; MCH6
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4F12-G6
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified
Specificity	Recognizes CASP9.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	CASP9 (AAH02452.1, 1aa-416aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MDEADRRLLRRCRLRLVEELQVDQLWDALLSRELFRPHMIEDIQRAGSGSRRDQARQLIIDLETRGSQALPLFISCLEDTGQDMLASFLRTNRQAAKLSKF
Conjugate	APC
Product Categories/Family for anti-CASP9 antibody	Antibodies; Apoptosis; Caspase
Applications Tested/Suitable for anti-CASP9 antibody	ELISA (EIA), Western Blot (WB), In situ Proximity Ligation Assay (Cell)
Application Notes for anti-CASP9 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CASP9 antibody	This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the exec
Other Notes	Small volumes of anti-CASP9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for CASP9 purchase	MBS6166380 is an antibody targeting CASP9. Also known as CASP9 (Caspase 9, Apoptosis-Related Cysteine Peptidase, APAF-3, APAF3, Caspase-9



Testing Data of anti-CASP9 antibody
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).



Testing Data of anti-CASP9 antibody
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).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CASP9. It may not necessarily be applicable to this product.

NCBI GI #	12803273
NCBI GeneID	842
NCBI Accession #	AAH02452.1
UniProt Related Accession #	P55211
NCBI Official Full Name	Caspase 9, apoptosis-related cysteine peptidase
NCBI Official Synonym Full Names	caspase 9
NCBI Official Symbol	CASP9
NCBI Official Synonym Symbols	MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6
Protein Family	Caspase
NCBI Protein Information	caspase-9
NCBI Summary for CASP9	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 can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]
Research Articles on CASP9	**1.** Owing to the evidence, caspase-9 activity is considered as a central factor in the execution of differentiation in leukemic cells.
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