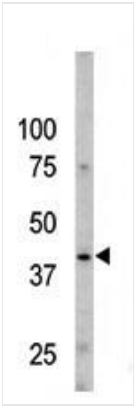
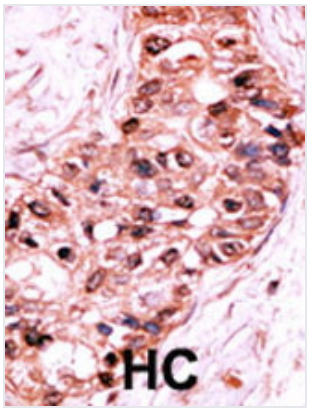
CASP9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CASP9, Polyclonal Antibody
Full Product Name	CASP9, Phosphorylated (Ser196) (Caspase 9, Caspase-9, CASP-9, ICE-like Apoptotic Protease 6, ICE-LAP6, Apoptotic Protease Mch-6, Apoptotic Protease-activating Factor 3, APAF-3, MCH6) (AP)
Product Gene Name	anti-CASP9 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human caspase 9 when phosphoryalted at Ser196.
Preparation and Storage	May be stored at 4 degree C for short-term only. Do not freeze alkaline phosphatase conjugates which could result in a substantial loss of enzymatic activity. Light sensitive. Aliquots are stable for at least 6 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	36,564 Da
OMIM	602234
3D Structure	ModBase 3D Structure for P55211
Immunogen	Synthetic phosphopeptide corresponding to amino acid residues surrounding Ser196 of human caspase 9 (KLH).
Conjugate	AP
Antigen Modification	Phosphorylated
Note	Preservative Free
Product Categories/Family for anti-CASP9 antibody	Antibodies; Apoptosis; Caspase
Applications Tested/Suitable for anti-CASP9 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-CASP9 antibody	IHC: 1:50-1:100 ELISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-CASP9 antibody	MBS6467603 is an antibody targeting CASP9. Also known as CASP9, Phosphorylated (Ser196) (Caspase 9, Caspase-9, CASP-9, ICE-like Apoptotic Protease 6, ICE-LAP6, Apoptotic Protease Mch-6, Apoptotic Protease-activating Factor 3, APAF-3, MCH6) (AP). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CASP9 antibody	1. Martin, M.C., et al., J. Biol. Chem. 280(15):15449-15455 (2005). 2. Raina, D., et al., J. Biol. Chem. 280(12):11147-11151 (2005). 3. Cornelis, S., et al., Oncogene 24(9):1552-1562 (2005). 4. Mohammad, R.M., et al., Mol. Cancer Ther. 4(1):13-21 (2005). 5. Tacconi, S., et al., Exp. Neurol. 190(1):254-262 (2004).
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 necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CASP9 antibody
The anti-Phospho-Caspase 9-S196 Pab is used in Western blot to detect Phospho-Caspase 9-S196 in Y79 cell line lysates.



Immunohistochemistry (IHC) of anti-CASP9 antibody
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL DETAILS

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

NCBI GI #	14790124
NCBI GeneID	842
NCBI Accession #	NP_001220
UniProt Primary Accession #	P55211
UniProt Secondary Accession #	O95348; Q53Y70; Q5JRU9; Q5UGI1; Q92852; Q9BQ62; Q9UEQ3; Q9UIJ8; B4E1A3
UniProt Related Accession #	P55211
GenBank Nucleotide #	NM_001229
NCBI Official Full Name	caspase-9 isoform alpha
NCBI Official Synonym Full Names	caspase 9, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP9
NCBI Official Synonym Symbols	MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6
UniProt Protein Name	Caspase-9
UniProt Synonym Protein Names	Apoptotic protease Mch-6; Apoptotic protease-activating factor 3; APAF-3; ICE-like apoptotic protease 6
Protein Family	Caspase
UniProt Gene Name	CASP9
UniProt Synonym Gene Names	MCH6; CASP-9; APAF-3; ICE-LAP6
UniProt Entry Name	CASP9_HUMAN
NCBI Protein Information	caspase-9; ICE-like apoptotic protease 6; apoptotic protease MCH-6; apoptotic protease activating factor 3; protein phosphatase 1, regulatory subunit 56

UniProt Comments for CASP9	CASP9: 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 2 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 isoforms. Protein type: Apoptosis; EC 3.4.22.62; Protease Chromosomal Location of Human Ortholog: 1p36.21 Cellular Component: mitochondrion; nucleus; cytosol; apoptosome Molecular Function: peptidase activity; protein binding; cysteine-type endopeptidase activity; enzyme activator activity; protein kinase binding; SH3 domain binding Biological Process: epidermal growth factor receptor signaling pathway; phosphoinositide-mediated signaling; fibroblast growth factor receptor signaling pathway; nerve growth factor receptor signaling pathway; apoptosis; positive regulation of apoptosis; DNA damage response, signal transduction; response to lipopolysaccharide; proteolysis; response to estradiol stimulus; response to antibiotic; DNA damage response, signal transduction resulting in induction of apoptosis; positive regulation of neuron apoptosis; response to cobalt ion; innate immune response; platelet formation; caspase activation via cytochrome c; response to DNA damage stimulus; aging
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/casp9/6467603