

**CASP9 Antibody (S196) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7974a****Specification****CASP9 Antibody (S196) Blocking Peptide -  
Product Information**Primary Accession [P55211](#)**CASP9 Antibody (S196) Blocking Peptide -  
Additional Information****Gene ID 842****Other Names**

Caspase-9, CASP-9, Apoptotic protease  
Mch-6, Apoptotic protease-activating factor  
3, APAF-3, ICE-like apoptotic protease 6,  
ICE-LAP6, Caspase-9 subunit p35,  
Caspase-9 subunit p10, CASP9, MCH6

**Target/Specificity**

The synthetic peptide sequence used to  
generate the antibody <a  
href=/products/AP7974a>AP7974a</a>  
was selected from the S196 region of  
human CASP9. A 10 to 100 fold molar  
excess to antibody is recommended.  
Precise conditions should be optimized for a  
particular assay.

**Format**

Peptides are lyophilized in a solid powder  
format. Peptides can be reconstituted in  
solution using the appropriate buffer as  
needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6  
months. For long term storage store at  
-20°C.

**Precautions**

This product is for research use only. Not  
for use in diagnostic or therapeutic  
procedures.

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Protein Information****CASP9 Antibody (S196) Blocking Peptide -  
Background**

Caspase 9 is 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.

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References**

Martin, M.C., et al., J. Biol. Chem.  
280(15):15449-15455 (2005). Raina, D., et al.,  
J. Biol. Chem. 280(12):11147-11151  
(2005). Cornelis, S., et al., Oncogene  
24(9):1552-1562 (2005). Mohammad, R.M., et  
al., Mol. Cancer Ther. 4(1):13-21  
(2005). Tacconi, S., et al., Exp. Neurol.  
190(1):254-262 (2004).

**Name** CASP9

**Synonyms** MCH6

**Function**

Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Promotes DNA damage-induced apoptosis in a ABL1/c-Abl-dependent manner. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP).

**Tissue Location**

Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

**CASP9 Antibody (S196) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)