

AP00047CP-N**Caspase-7 Control Peptide****Alternate names:**

Apoptotic protease Mch-3, CASP-7, CASP7, CMH-1, ICE-like apoptotic protease 3, MCH3

Quantity:

50 µg

Concentration:

0.2 mg/ml

Background:

Caspases are cysteine proteases, expressed as inactive precursors, that mediate apoptosis by proteolysis of specific substrates. Caspases have the ability to cleave after aspartic acid residues. There are two classes of caspases involved in apoptosis; initiators (activation by receptor cluster) and effectors (activation by mitochondrial permeability transition). Proapoptotic signals autocatalytically activate initiator caspases, such as Caspase 8 and Caspase 9. Activated initiator caspases then process effector caspases, such as Caspase 3 and Caspase 7, which in turn cause cell collapse.

Uniprot ID:[P55210](#)**NCBI:**[NP_001218.1](#)**GeneID:**[840](#)**Format:****State:** Liquid peptide**Buffer System:** PBS, pH 7.2, containing 0.1% BSA and .02% thimerosal**Applications:**

Western blot: It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37 °C.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Control peptide for antibody AP00047PU-N only.

Storage:

Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.