

AP00006CP-N**Caspase-1 Control Peptide****Alternate names:**

CASP-1, CASP1, ICE, IL1BC, IL1BCE, Interleukin-1 beta convertase, Interleukin-1 beta-converting enzyme, p45

Quantity:

50 µg

Concentration:

0.2 mg/ml

Background:

Caspases are a family of cysteine proteases that are key mediators of programmed cell death or apoptosis. The precursor form of all caspases is composed of a prodomain, and large and small catalytic subunits. The active forms of caspases are generated by several stimuli including ligand-receptor interactions, growth factor deprivation and inhibitors of cellular functions. All known caspases require cleavage adjacent to aspartates to liberate one large and one small subunit, which associate into a2b2 tetramer to form the active enzyme. Caspase 1 is similar to the cell death gene CED3 of *C. elegans* and regulates multiple proinflammatory cytokines, including Interleukin 1b and interferon-gamma-inducing factor. Caspase 1 plays a role down stream of Caspase 8 which is involved in Fas-mediated apoptosis.

Uniprot ID:

[P29466](#)

NCBI:

[NP_001214.1](#)

GeneID:

[834](#)

Format:

State: Liquid peptide

Buffer System: PBS, pH 7.2

Preservatives: 0.02% Thimerosal

Stabilizers: 0.1% BSA

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 Caspase-1 Antibody Cat.-No AP00006PU-N only.

Storage:

Upon receipt, store 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.