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AP00052PU-N Polyclonal Antibody to Caspase-9 - Aff - Purified

Alternate names: APAF-3, APAF3, Apoptotic protease Mch-6, Apoptotic protease-activating factor 3, CASP-9, CASP9, ICE-LAP6, ICE-like apoptotic protease 6, MCH6

Quantity: 0.1 mg

Concentration: 0.2 mg/ml

Background: Caspases are synthesized as inactive pro-enzymes that are processed to active form in cells undergoing apoptosis. Caspase-9 is an important member of the caspase family. Upon induction of apoptosis, Cytochrome c released from mitochondria associates with pro-caspase-9 (47 kDa) and Apaf-1. The complex processes pro-caspase-9 into a large subunit (37 kDa/17 kDa) and a small subunit (10 kDa). Cleaved Caspase-9 further processes other caspases including caspase-3 and caspase-6, to initiate a caspase cascade leading to apoptosis.

Uniprot ID: P55211

NCBI: NP_001220.2

GeneID: 842

Host: Rabbit

Immunogen: Synthetic peptide mapping to the N-terminus adjacent to Asp330 of human Caspase-9

Format:
State: Liquid purified Ig fraction
Purification: Affinity chromatography
Buffer System: PBS containing 50% glycerol, 0.5% BSA, and 0.02% thimerosal

Applications:
Western Blot: 0.5-4 µg/ml.
Immunoprecipitation: 10-20 µg/ml.
Immunohistochemistry /Immunocytochemistry: 10-20 µg/ml.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
The affinity purified antibody recognizing the active forms of caspase-9 provides a new tool for identifying apoptotic cell populations in both tissue sections and cultured cells.
The anti-active caspase-9 antibody recognizes only the cleaved caspase-9 (37 kDa). It does not recognize full-length caspase-9 or any other caspases.
Species: Human.
Other species not tested.

Storage:
Store the antibody undiluted (in aliquots) at -20°C to -70°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:

Western blot analysis of cleaved Caspase-9 in Jurkat cell lysate. Lane 1: Untreated; Lane 2: Etoposide treated.