

Caspase-3 Polyclonal Antibody

ORDERING INFORMATION

Catalog nos.: 11024-50 (50ug) 11024-200 (200ug)

Format: Protein A-purified antibody in PBS, 50% glycerol, 0.09% sodium azide.

BACKGROUND

Caspases are cysteine proteases that cleave after certain aspartate residues and have been identified as mediators of apoptosis. Caspases are synthesized as inactive zymogens that can be cleaved to form active enzymes following the induction of apoptosis by stress or death receptors. Initiator caspases (e.g. caspase-8 and -10) are activated by dimerization of the zymogen on a dedicated adaptor protein. These activated initiator caspases in-turn cleave downstream effector or executioner caspases (e.g. caspase-3, -6, and -7) in a cascade-like manner, which cleave key cellular proteins that lead to the morphological changes associated with apoptotic cell death.

SPECIFICATION SUMMARY

Antigen: Recombinant full length human caspase-3.

Accession no.: P42574

Gene ID: 836

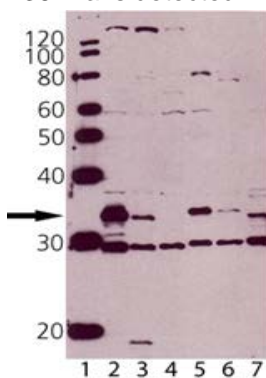
Host Species: Rabbit

Antibody Class: Polyclonal

Specificity: This antibody recognizes caspase-3 in human, mouse, rat, bovine, canine, chicken, guinea pig, hamster, monkey, pig, rabbit, and yeast.

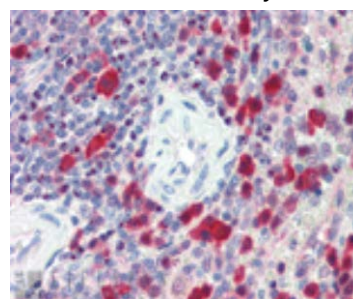
APPLICATIONS

Immunoblotting: use at 1-5ug/ml. A band of ~36kDa is detected.



Detection of caspase-3 in Jurkat cell lysate (lane 2), staurosporine-treated Jurkat cell lysate (lane 3), MCF-7 cell lysate (negative control, lane 4), HeLa cell lysate (lane 5), rat spleen lysate (lane 6), mouse spleen lysate (lane 7).

Immunohistochemistry: use at 10ug/ml



Detection of caspase-3 in human spleen.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

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DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20oC. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.