
anti-caspase-5

Cat #: HM1061
Goat polyclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

Caspase-5 (also designated ICERel-III, TY, ICH-3 and caspase-12 in mouse) 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. Caspase-5 is more closely related to caspase-4 than to other homologues. 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. Caspase-5 can cleave its own precursor, an activity that requires the cysteine 245 residue. The expression of caspase-5 was found to be regulated by interferon-gamma and lipopolysaccharide.

SPECIFICITY

This antibody can be used in the detection of the p10 subunit and precursor of caspase5 of human origin by Western blotting and immunohistochemistry. May cross-react with caspase-4.

Recommended dilution for Western blotting: 1:1000.

IMMUNOGEN

A synthetic peptide derived from the carboxy terminus of human caspase-5.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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