Anti-Caspase-10 (CT) Antibody

ORDERING INFORMATION

Catalog No.: 2408
Size: 100ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

A novel ICE/CED-3 protease was identified recently, designated FLICE2 and Mch4, and renamed as caspase-10. Caspase-10 has two death effector domains (DEDs) that bind to the DED in the adapter molecule FADD and recruits both TNFR1 and CD95 to form complexes with these receptors. Caspase-10 is, therefore, involved in CD95- and TNFR1-induced apoptosis. Caspase-10 cleaves and activates caspase-3, -4, -6, -7, -8, and -9, thereby causing proteolytic cleavage of many key proteins, such as PARP. Cleavage of PARP occurs in many different systems during apoptosis and is the hallmark of programmed cell death. Caspase-10 is expressed in many tissues and cell lines.

SPECIFICATION SUMMARY

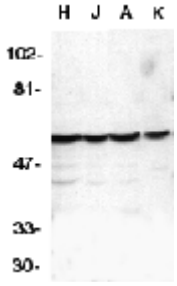
Antigen: Peptide corresponding to aa 505-521 at C-terminus of human FLICE2 (accession no. AAD28402).
Host Species: Rabbit
Stabilizers: None
Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes full-length human caspase-10 (59kDa). Since the sequences at C-termini of FLICE2 and Mch4 are different, this antibody recognizes only the FLICE2 form of caspase-10.

APPLICATIONS

Immunoblotting: use at 1ug/ml.



Western blot analysis of Caspase-10 in HeLa (H), Jurkat (J), A431 (A), K562 (K) whole cell lysates with Caspase-10 antibody at 1µg/ml.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.
Positive control: Whole cell lysate from HeLa cells.

DILUTION INSTRUCTIONS

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

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

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

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