

Anti-human CIDE-3 Antibody

ORDERING INFORMATION

Catalog No.: 11093

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

DNA fragmentation, induced by DNA fragmentation factor (DFF), is one of the critical steps in apoptosis. DFF is composed of two subunits, a 40-kDa caspase-activated nuclease (DFF40) and a 45-kDa inhibitor (DFF45). Recently a novel family of cell death-inducing DFF45-like effectors (CIDEs) has been identified. Human CIDE-3 is a novel CIDE. Two transcripts, CIDE-3 and CIDE-3alpha, are present in HepG2 and A375 cells. Consistent with its chromosome localization at 3p25, a region associated with high frequency loss of heterozygosity in many tumors, CIDE-3 may play an important role in prevention of tumorigenesis.

BACKGROUND REFERENCE

Liang, L et al. (2003) Biochem J 370: 195-203.

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

SPECIFICATION SUMMARY

Immunogen: Synthetic peptide corresponding to amino acids 10-25 (LLYPKSLSRHVSVRTS) of human CIDE-3 conjugated to KLH at the C-terminus.

Host Species: Rabbit

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human CIDE-3. Sequence homology to the mouse CIDE-3 homolog, FSP27, is 93%.

APPLICATIONS

Immunoblotting: use at 1:500 dilution. A band of approximately 27 kDa is detected.

Positive control: HepG2 cell lysate.

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.