

CIDE-C (N-17): sc-99342

BACKGROUND

CIDE-C (also known as cell death-inducing DFFA-like effector-c, CIDE-3 or Fsp27), is a 238 amino acid protein that localizes to the cytoplasm and contains one CIDE-N domain. Expressed predominately in small intestine, colon, heart and stomach, and is present at lower levels in liver, brain and kidney. CIDE-C exists as three alternatively spliced isoforms, two of which are thought to induce apoptosis. Additionally, CIDE-C is upregulated during adipogenesis in white and brown adipose tissue, and may negatively regulate lipolysis and promote triglyceride accumulation. The gene encoding CIDE-C maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CIDE-C (human) mapping to 3p25.3.

SOURCE

CIDE-C (N-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of CIDE-C of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-99342 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CIDE-C (N-17) is recommended for detection of CIDE-C of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with isoform 2.

Suitable for use as control antibody for CIDE-C siRNA (h): sc-78016, CIDE-C shRNA Plasmid (h): sc-78016-SH and CIDE-C shRNA (h) Lentiviral Particles: sc-78016-V.

Molecular Weight of CIDE-C: 27 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **CIDE-C (7C12F11): sc-517232**, our highly recommended monoclonal alternative to CIDE-C (N-17).