

CIDE-C (K-17): sc-99341

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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4. Laurencikene, J., et al. 2008. Evidence for an important role of CIDE-A in human cancer cachexia. *Cancer Res.* 68: 9247-9254.
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CHROMOSOMAL LOCATION

Genetic locus: CIDEA (human) mapping to 3p25.3.

SOURCE

CIDE-C (K-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CIDE-C of human origin.

STORAGE

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

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-99341 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CIDE-C (K-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 3.

CIDE-C (K-17) is also recommended for detection of CIDE-C in additional species, including equine.

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.

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.