abcam

Product datasheet

CIDE A overexpression 293T lysate (whole cell) ab94105

2 Images

Overview

Product name	CIDE A overexpression 293T lysate (whole cell)
General notes	ab94105 is a 293T cell transfected lysate in which Human CIDE A has been transiently over-expressed using a pCMV-CIDE A plasmid. The lysate is provided in 1X Sample Buffer.
Tested applications	**Suitable for:** WB

Properties

Mycoplasma free	Yes
Form	Liquid
Storage instructions	Shipped on dry ice. Upon delivery aliquot and store at -20ºC. Avoid freeze / thaw cycles.
Storage buffer	Constituents: 0.01% Bromophenol blue, 2.3% Beta mercaptoethanol, 2% Sodium lauryl sulfate, 0.788% Tris HCl, 10% Glycerol (glycerin, glycerine)
Background	Function: Acts as a CEBPB coactivator in mammary epithelial cells to control the expression of a subset of CEBPB downstream target genes, including ID2, IGF1, PRLR, SOCS1, SOCS3, XDH, but not casein. By interacting with CEBPB, strengthens the association of CEBPB with the XDH promoter, increases histone acetylation and dissociates HDAC1 from the promoter (By similarity). Binds to lipid droplets and regulates their enlargement, thereby restricting lipolysis and favoring storage. At focal contact sites between lipid droplets, promotes directional net neutral lipid transfer from the smaller to larger lipid droplets. The transfer direction may be driven by the internal pressure difference between the contacting lipid droplet pair and occurs at a lower rate than that promoted by CIDEC. When overexpressed, induces apoptosis. The physiological significance of its role in apoptosis is unclear. Tissue specificity: Expressed in omental and subcutaneous adipose tissue (at protein level). Disease: In omental and subcutaneous adipose tissue of obese patients matched for BMI, expression levels correlate with insulin sensitivity. Expression is increased 5-6 fold in the group of patients with high insulin sensitivity, compared to the insulin-resistant group. This observation is consistent with the idea that triglyceride storage in adipocytes plays an important role in sequestering triglycerides and fatty acids away from the circulation and peripheral tissues, thus enhancing insulin sensitivity in liver and muscle. Similarity: Contains 1 CIDE-N domain.

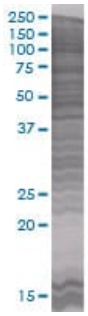
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab94105 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

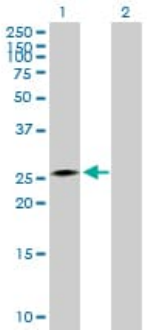
Application	Abreviews	Notes
WB		Use at an assay dependent dilution.

Images



SDS-PAGE - CIDE A overexpression 293T lysate (whole cell) (ab94105)

ab94105 at 15µg/lane on an SDS-PAGE gel.



Western blot - CIDE A overexpression 293T lysate (whole cell) (ab94105)

All lanes : Anti-CIDE A antibody (**ab54630**) at 1/500 dilution

Lane 1 : CIDE A overexpression 293T lysate (whole cell) (ab94105)
Lane 2 : 293T non-transfected lysate

Lysates/proteins at 25 µg per lane.

Secondary
All lanes : Goat Anti-mouse IgG (H and L) HRP conjugated at 1/2500 dilution

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