CIDE-3 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	CIDE-3, Polyclonal Antibody
Full Product Name	CIDE-3 Polyclonal Antibody
Product Gene Name	anti-CIDE-3 antibody
Clonality	Polyclonal
Molecular Weight	27,923 Da
OMIM	612120
3D Structure	ModBase 3D Structure for Q96AQ7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-CIDE-3 antibody	MBS8521908 is an antibody targeting CIDE-3. Also known as CIDE-3 Polyclonal Antibody.
Other Notes	Small volumes of anti-CIDE-3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CIDE-3. It may not necessarily be applicable to this product.

NCBI GI #	313851088
NCBI GeneID	63924
NCBI Accession #	NP_001186480.1
UniProt Primary Accession #	Q96AQ7
UniProt Secondary Accession #	Q67DW9; Q9GZY9; C9JMN7
UniProt Related Accession #	Q96AQ7
GenBank Nucleotide #	NM_001199551.1
NCBI Official Full Name	cell death activator CIDE-3 isoform 2
NCBI Official Synonym Full Names	cell death inducing DFFA like effector c
NCBI Official Symbol	CIDEC
NCBI Official Synonym Symbols	CIDE3; FPLD5; FSP27; CIDE-3
UniProt Protein Name	Cell death activator CIDE-3
UniProt Synonym Protein Names	Cell death-inducing DFFA-like effector protein C; Fat-specific protein FSP27 homolog
Protein Family	Cell death activator
UniProt Gene Name	CIDEC
UniProt Synonym Gene Names	FSP27
NCBI Protein Information	cell death activator CIDE-3

NCBI Summary for CIDE-3	This gene encodes a member of the cell death-inducing DNA fragmentation factor-like effector family. Members of this family play important roles in apoptosis. The encoded protein promotes lipid droplet formation in adipocytes and may mediate adipocyte apoptosis. This gene is regulated by insulin and its expression is positively correlated with insulin sensitivity. Mutations in this gene may contribute to insulin resistant diabetes. A pseudogene of this gene is located on the short arm of chromosome 3. Alternatively spliced transcript variants that encode different isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]
UniProt Comments for CIDE-3	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. Its role in neutral lipid transfer and lipid droplet enlargement is activated by the interaction with PLIN1. May act as a CEBPB coactivator in the white adipose tissue to control the expression of a subset of CEBPB downstream target genes, including SOCS1, SOCS3, TGFB1, TGFBR1, ID2 and XDH. When overexpressed in preadipocytes, induces apoptosis or increases cell susceptibility to apoptosis induced by serum deprivation or TGFB treatment. As mature adipocytes, that express high CIDEC levels, are quite resistant to apoptotic stimuli, the physiological significance of its role in apoptosis is unclear. May play a role in the modulation of the response to osmotic stress by preventing NFAT5 to translocate into the nucleus and activate its target genes expression.
Research Articles on CIDE-3	**1.** this study has indicated that 3' UTR variation in CIDEC is associated with the risk of elevated fasting glucose, the progression of hypertriglyceridemia and hypertension, and the efficacy of angiotensin II-targeted antihypertensive agents.
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