

CIDEB Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS12672**Specification**

CIDEB Antibody (Internal) - Product Information

Application	IF, IHC
Primary Accession	Q9UHD4
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25kDa KDa

CIDEB Antibody (Internal) - Additional Information**Gene ID** 27141**Other Names**

Cell death activator CIDE-B, Cell death-inducing DFFA-like effector B, CIDEB

Target/Specificity

Peptide corresponding to 14 amino acids near the center of human CIDE-B.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

CIDEB Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

CIDEB Antibody (Internal) - Protein Information**Name** CIDEB {ECO:0000303|PubMed:35939579, ECO:0000312|HGNC:HGNC:1977}**Function**

Lipid transferase specifically expressed in hepatocytes, which promotes unilocular lipid droplet formation by mediating lipid droplet fusion (PubMed:35939579). Lipid droplet fusion promotes their enlargement, restricting lipolysis and favoring lipid storage (PubMed:35939579). Localizes on the lipid droplet surface, at focal contact sites between lipid droplets, and mediates atypical lipid droplet fusion by promoting directional net neutral lipid transfer from the smaller to larger lipid droplets (By similarity). The transfer direction may be driven by the internal pressure difference between the contacting lipid droplet pair (By similarity). Promotes lipid exchange and lipid droplet fusion in both small and large lipid droplet- containing hepatocytes (By similarity). In addition to its role in lipid droplet fusion, also involved in cytoplasmic vesicle biogenesis and transport (By similarity). Required for very-low-density lipoprotein (VLDL) lipidation and maturation (By similarity). Probably involved in the biogenesis of VLDL transport vesicles by forming a COPII

vesicle coat and facilitating the formation of endoplasmic reticulum-derived large vesicles (By similarity). Also involved in sterol-regulated export of the SCAP-SREBP complex, composed of SCAP, SREBF1/SREBP1 and SREBF2/SREBP2, by promoting loading of SCAP-SREBP into COPII vesicles (By similarity). May also activate apoptosis (PubMed:10619428).

Cellular Location

Lipid droplet. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:O70303}; Peripheral membrane protein {ECO:0000250|UniProtKB:O70303}; Cytoplasmic side {ECO:0000250|UniProtKB:O70303}. Golgi apparatus {ECO:0000250|UniProtKB:O70303}. Cytoplasmic vesicle, COPI-coated vesicle {ECO:0000250|UniProtKB:O70303}. Note=Enriched at lipid droplet contact sites. {ECO:0000250|UniProtKB:O70303}

Tissue Location

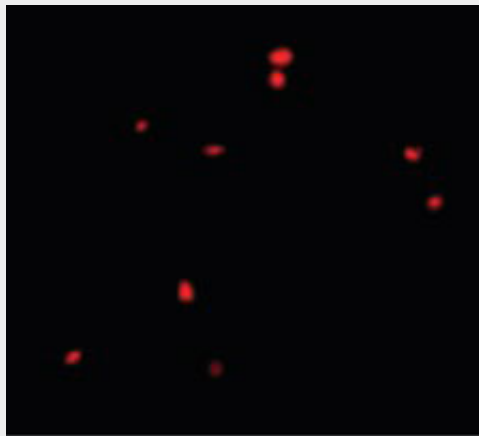
Highly expressed in liver and small intestine and, at lower levels, in colon, kidney and spleen

CIDEB Antibody (Internal) - Protocols

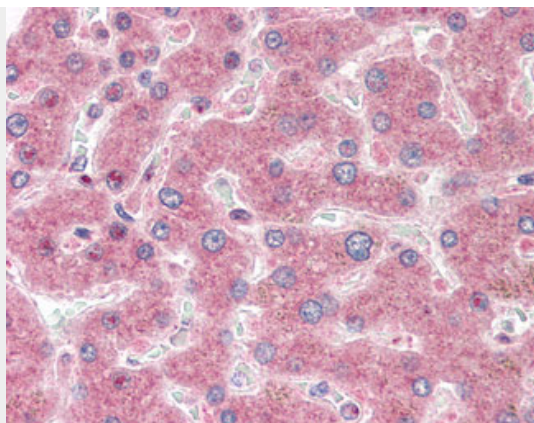
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CIDEB Antibody (Internal) - Images



Immunofluorescence of CIDE-B in Human Small Intestine cells with CIDE-B antibody at 20 ug/ml.



Anti-CIDEB antibody IHC of human liver.

CIDEB Antibody (Internal) - Background

Activates apoptosis.

CIDEB Antibody (Internal) - References

Lugovskoy A.A.,et al.Cell 99:747-755(1999).
Inohara N.,et al.EMBO J. 17:2526-2533(1998).
Liang L.,et al.Submitted (SEP-2002) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.