

**Anti-CIDEB Antibody**  
**Catalog # ABV11962****Specification**

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**Anti-CIDEB Antibody - Product Information**

Application	IHC, IF
Primary Accession	<a href="#">Q9UHD4</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	24678

**Anti-CIDEB Antibody - Additional Information****Gene ID** 27141

Positive Control	<b>WB: HT29, RAW264.7, mouse spleen, rat spleen lysate; IHC: human liver cancer tissue, IF/IC: HT29 cells</b>
Application & Usage	<b>WB; 1:500 - 1:2000, IH; 1:100 - 1:200, IF/IC; 1:100 - 1:500</b>

**Other Names**

Cell death activator CIDE-B; Cell death-inducing DFFA-like effector B

**Target/Specificity**

CIDEB

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Handling**

The antibody solution should be gently mixed before use

**Reconstitution & Storage**

-20°C

**Background Descriptions****Precautions**

Anti-CIDEB Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-CIDEB Antibody - 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:<a href="http://www.uniprot.org/citations/35939579" target="\_blank">35939579</a>). Lipid droplet fusion promotes their enlargement, restricting lipolysis and favoring lipid storage (PubMed:<a href="http://www.uniprot.org/citations/35939579" target="\_blank">35939579</a>). 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:<a href="http://www.uniprot.org/citations/10619428" target="\_blank">10619428</a>).

### 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

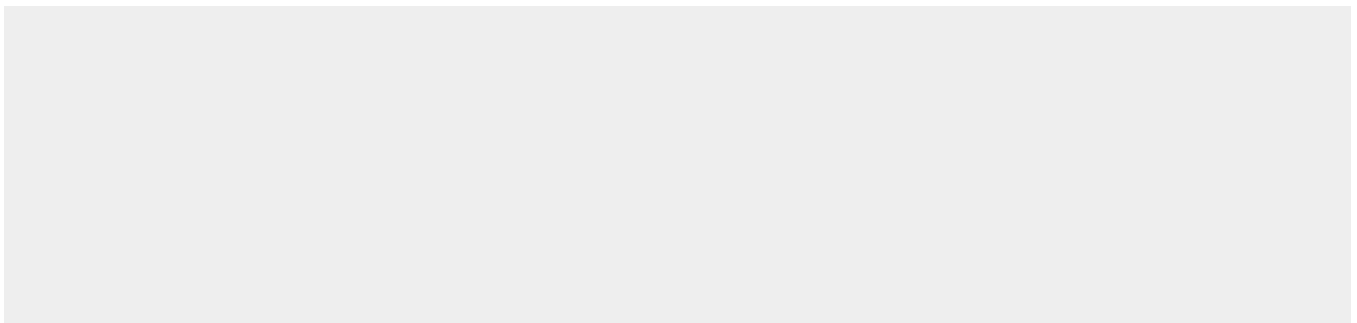
Highly expressed in liver and small intestine and, at lower levels, in colon, kidney and spleen

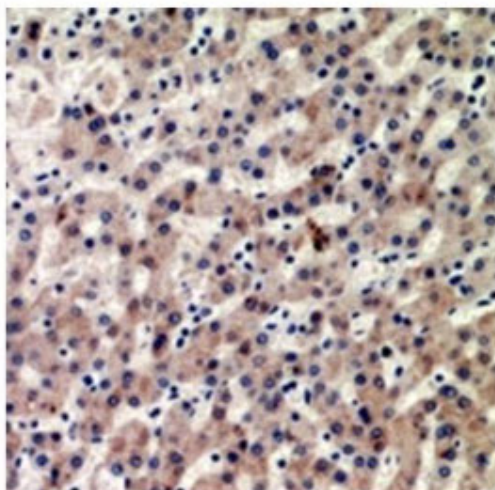
## Anti-CIDEB Antibody - Protocols

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

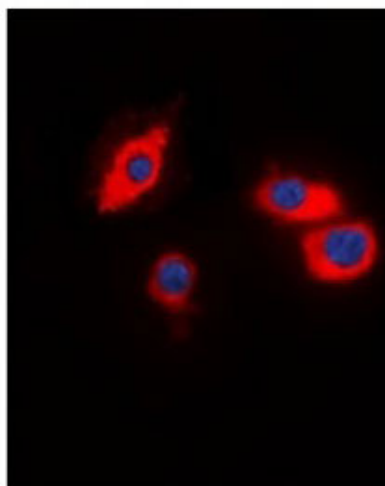
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-CIDEB Antibody - Images





Immunohistochemical analysis of CIDEA staining in human liver cancer formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of CIDEA staining in HT29 cells