

For Research Use Only

CIDEA Polyclonal antibody

Catalog Number: 13170-1-AP

18 Publications



Basic Information

Catalog Number:

13170-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3824

GenBank Accession Number:

BC031896

GeneID (NCBI):

1149

UNIPROT ID:

O60543

Full Name:

cell death-inducing DFFA-like effector a

Calculated MW:

253 aa, 28 kDa

Observed MW:

25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : mouse heart tissue,

IHC : mouse brown adipose tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Cell death-inducing DNA fragmentation factor (DFFA)-like effector (CIDE) family proteins, including Cidea, Cideb, and Fsp27 (Cidec), are lipid droplet (LD)-associated proteins playing important roles in LD fusion, lipid secretion, and very-low-density-lipoprotein (VLDL) maturation. Cidea is highly enriched in adult brown adipose tissue (BAT), and its deficiency results in the accumulation of smaller LDs in brown adipocytes, improved INS sensitivity, and resistance to diet-induced obesity. The MW of this protein is 25 kDa, and this antibody specially recognises the 25 kDa protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoqian Zeng	36169214	Food Funct	WB, IHC
Yingjiang Xu	34704268	EMBO J	WB
Chengyu Liu	31597640	Diabetes	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

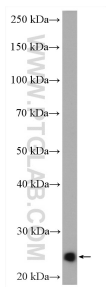
T: 4006900926

E: Proteintech-CN@ptglab.com

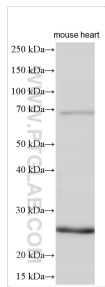
W: ptgcn.com

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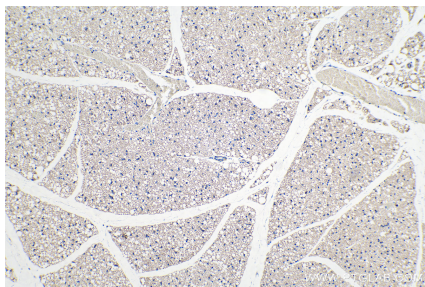
Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 13170-1-AP (CIDEA antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Mouse heart tissue was subjected to SDS PAGE followed by western blot with 13170-1-AP (CIDEA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue slide using 13170-1-AP (CIDEA antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).