

For Research Use Only

CIDEC Polyclonal antibody

Catalog Number: 12287-1-AP **7 Publications**



Basic Information

Catalog Number: 12287-1-AP	GenBank Accession Number: BC016851	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 63924	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q96AQ7	
Isotype: IgG	Full Name: cell death-inducing DFFA-like effector c	
Immunogen Catalog Number: AG2913	Calculated MW: 238 aa, 27 kDa	
	Observed MW: 27-35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells, L02 cells
Cited Applications: WB, IF	
Species Specificity: human	
Cited Species: human, mouse	

Background Information

Cell death-inducing DFF45-like effector (CIDE) proteins, including CIDEA, CIDEB and CIDEC (also called Fsp27 in rodents), are predominantly expressed in brown adipose tissues (BAT), liver and WAT. CIDEC was found to be highly expressed in adipose tissues and to function as a lipid droplet-binding protein that promotes lipid accumulation in adipocytes. While normal mouse livers express low levels of CIDEC protein, its expression is highly upregulated in NALFD, but not in chronic ethanol feeding-induced fatty liver. (PMID: 26099526) Catalog#12287-1-AP recognizing CIDEC (calculated 28 kDa) as a 30 kDa and 45-50 kDa due to its posttranslational modification (PMID: 19258494).

Notable Publications

Author	Pubmed ID	Journal	Application
Yi Jin	35388144	Commun Biol	WB
Ranran Zhang	39563624	J Agric Food Chem	WB,IF
Xinxing Wan	38467615	Cell Death Discov	WB

Storage

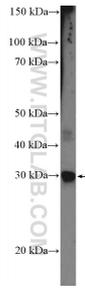
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 12287-1-AP (CIDEA Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.