

For Research Use Only

CEL Polyclonal antibody

Catalog Number: 15384-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

15384-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5262

GenBank Accession Number:

BC042510

GeneID (NCBI):

1056

UNIPROT ID:

P19835

Full Name:

carboxyl ester lipase (bile salt-stimulated lipase)

Calculated MW:

79 kDa

Observed MW:

67 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IF-P, IHC, WB, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

HUMAN, mouse

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

Positive Controls:

WB: human liver tissue, HeLa cells, mouse heart tissue, mouse liver tissue

IHC: human pancreas cancer tissue,

IF: human pancreas cancer tissue, HeLa cells

Background Information

Bile salt-activated lipase, previously named cholesterol esterase or bile salt-stimulated (or dependent) lipase, is a 74 kDa lipolytic enzyme capable of hydrolyzing cholesteryl esters, tri-, di-, and mono-acylglycerols, phospholipids, lysophospholipids, and ceramide (PMID:12454261). The same enzyme is present as a major protein in milk and as a minor constituent in liver, activated macrophages, and endothelial cells (PMID:11733511). Defects in CEL are a cause of maturity-onset diabetes of the young type 8 with exocrine dysfunction (MODY8) (PMID:16369531). The full length protein has 11 glycosylation sites. It has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Minghe Zhou	34643375	ACS Biomater Sci Eng	WB, IF
Matthew J Kolar	27509211	Biochemistry	WB
Xiao-Tong Mao	35398595	Cell Mol Gastroenterol Hepatol	WB, IHC

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:

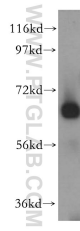
T: 4006900926

E: Proteintech-CN@ptglab.com

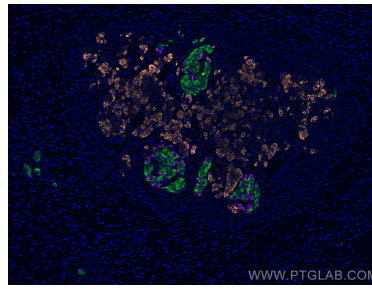
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

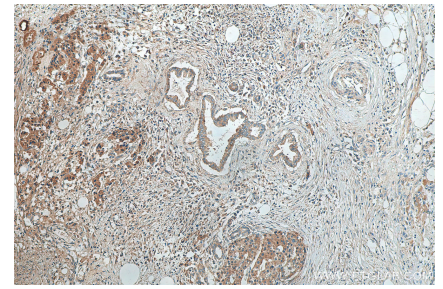
Selected Validation Data



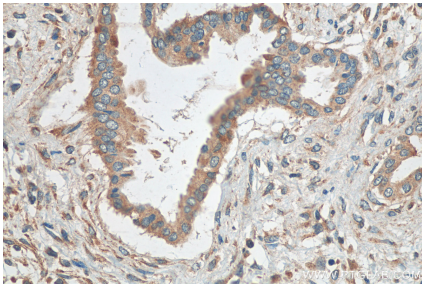
human liver tissue were subjected to SDS PAGE followed by western blot with 15384-1-AP (CEL antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



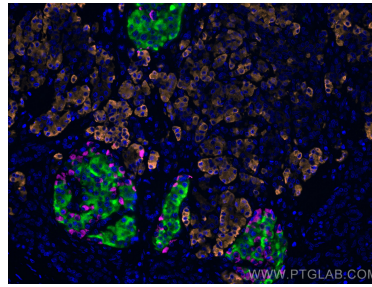
Immunofluorescent analysis of (4% PFA) fixed human pancreas cancer tissue using CEL antibody (15384-1-AP) at dilution of 1:200 and TRITC-Goat anti-Rabbit IgG, CoraLite® Plus 647 Glucagon antibody (CL647-15954, Magenta), CoraLite®488 INS antibody (CL488-66198, Clone: 4B6A7, green).



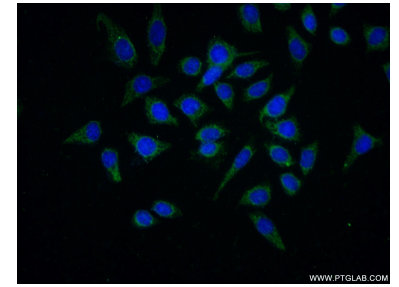
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 15384-1-AP (CEL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 15384-1-AP (CEL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human pancreas cancer tissue using CEL antibody (15384-1-AP) at dilution of 1:200 and TRITC-Goat anti-Rabbit IgG, CoraLite® Plus 647 Glucagon antibody (CL647-15954, Magenta), CoraLite®488 INS antibody (CL488-66198, Clone: 4B6A7, green).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 15384-1-AP (CEL antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).