

For Research Use Only

CEL Recombinant antibody, PBS Only

Catalog Number: 85081-4-PBS



Basic Information

Catalog Number:

85081-4-PBS

Concentration:

1 mg/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:

79 kDa

Purification Method:

Protein A purification

CloneNo.:

242761B11

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

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.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

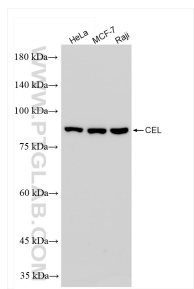
T: 4006900926

E: Proteintech-CN@ptglab.com

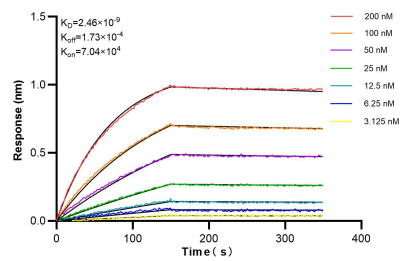
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85081-4-RR (CEL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85081-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85081-4-RR against Human CEL were performed. The affinity constant is 2.46 nM.