

For Research Use Only

Multi-rAb® CPE Multi-Recombinant antibody

Catalog Number: RMX00074



Basic Information

Catalog Number: RMX00074	GenBank Accession Number: NM_001873.4	Purification Method: N/A
Size: 100ul , Concentration: 1040 µg/ml by Nanodrop;	GeneID (NCBI): 1363	Recommended Dilutions: WB: 1:1000-1:6000 IHC: 1:50000-1:200000 IF-P: 1:500-1:2000
Source: Rabbit	UNIPROT ID: P16870-1	
Isotype: IgG	Full Name: carboxypeptidase E	
	Calculated MW: 53 kDa	
	Observed MW: 50-55 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

human, mouse, rat

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 : MCF-7 cells, PC-12 cells, mouse brain tissue, rat brain tissue

IHC : mouse pancreas tissue,

IF-P : mouse pancreas tissue,

Background Information

CPE(Carboxypeptidase E) is also named as CPH.It belongs to the peptidase M14 family and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin.The deduced 476-amino acid human protein contains an N-terminal signal peptide, followed by a 'pro' sequence, a polyarginine stretch, and 2 potential N-glycosylation sites.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

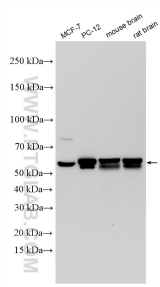
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

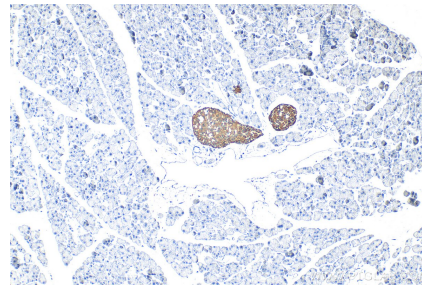
E: proteintech@ptglab.com
W: ptglab.com

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

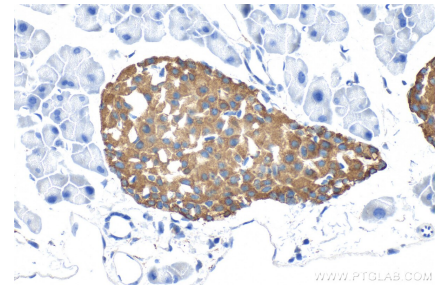
Selected Validation Data



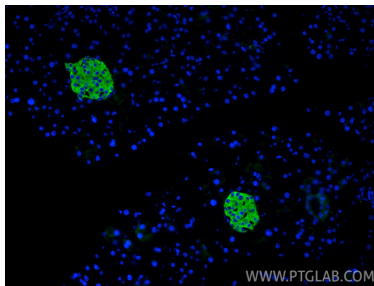
Various lysates were subjected to SDS PAGE followed by western blot with RMX00074 (CPE antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



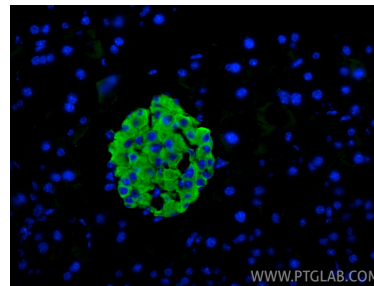
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using RMX00074 (CPE antibody) at dilution of 1:100000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using RMX00074 (CPE antibody) at dilution of 1:100000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse pancreas tissue using CPE antibody (RMX00074) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse pancreas tissue using CPE antibody (RMX00074) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).