

For Research Use Only

CPA1 Recombinant monoclonal antibody

Catalog Number: 88295-1-RR



Basic Information

Catalog Number: 88295-1-RR	GenBank Accession Number: BC005279	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1357	CloneNo.: 260663D6
Source: Rabbit	UNIPROT ID: P15085	Recommended Dilutions: WB: 1:5000-1:50000 IF-P: 1:250-1:1000
Isotype: IgG	Full Name: carboxypeptidase A1 (pancreatic)	
Immunogen Catalog Number: AG8586	Calculated MW: 419 aa, 47 kDa	
	Observed MW: 44-47 kDa	

Applications

Tested Applications: WB, IF-P, ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig	WB : mouse pancreas tissue, rat pancreas tissue, pig pancreas tissue
	IF-P : human pancreas tissue, mouse pancreas tissue, rat pancreas tissue

Background Information

CPA1(Carboxypeptidase A1) is also named as CPA and belongs to the the peptidase M14 family. CPA1 is one of the genes whose expression in the pancreas and the protein which it encodes is synthesized as an inactive precursor, proCPA1, which is processed to the active enzyme by the proteolytic removal of the 95-amino acid N-terminal prodomain. The mature CPA1 is not secreted and is trapped and degraded intracellularly(PMID:8639628). This antibody is speicific to CPA1.

Storage

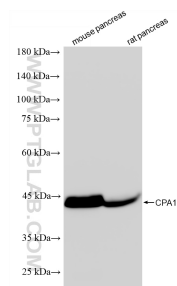
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

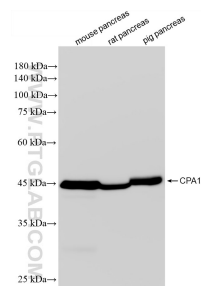
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

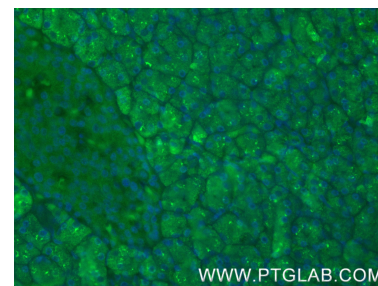
Selected Validation Data



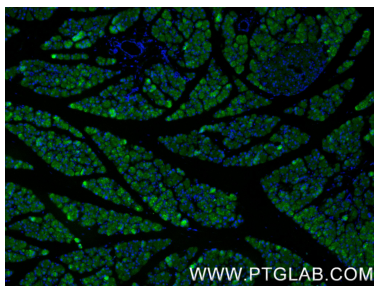
Various lysates were subjected to SDS PAGE followed by western blot with 88295-1-RR (CPA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



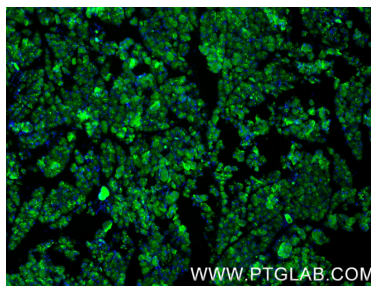
Various lysates were subjected to SDS PAGE followed by western blot with 88295-1-RR (CPA1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human pancreas tissue using CPA1 antibody (88295-1-RR, Clone: 260663D6) at dilution of 1:500 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 rat pancreas tissue using CPA1 antibody (88295-1-RR, Clone: 260663D6) at dilution of 1:500 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 CPA1 antibody (88295-1-RR, Clone: 260663D6) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).