

For Research Use Only

# CPB1 Polyclonal antibody

Catalog Number: 12600-1-AP **4 Publications**



## Basic Information

|  |   |  |
|--|---|--|
| <b>Catalog Number:</b><br>12600-1-AP   | <b>GenBank Accession Number:</b><br>BC015338      | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150ul , Concentration: 400 ug/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>1360                     | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IHC 1:50-1:500 |
| <b>Source:</b><br>Rabbit   | <b>UNIPROT ID:</b><br>P15086                      |  |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>carboxypeptidase B1 (tissue) |  |
| <b>Immunogen Catalog Number:</b><br>AG3243   | <b>Calculated MW:</b><br>417 aa, 47 kDa           |  |
|  | <b>Observed MW:</b><br>47 kDa                     |  |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>WB, IHC, ELISA  | <b>Positive Controls:</b><br>WB : mouse pancreas tissue, rat pancreas tissue<br>IHC : human pancreas tissue, human kidney tissue, human pancreas cancer tissue |
| <b>Cited Applications:</b><br>WB, IHC  |  |
| <b>Species Specificity:</b><br>human, mouse, rat   |  |
| <b>Cited Species:</b><br>human, rat  |  |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |  |

## Background Information

PASP(pancreas-specific protein) is also named as CPB1, CPB, PCPB and belongs to the peptidase M14 family. This protein modulates the plasminogen system both in the matrix and on the cell surface, thus leading to the inhibition of endothelial cell movement and tube formation. It is initially described as a pancreatic metallo-carboxypeptidase and is a marker for acute pancreatitis(PMID:19717511). The deduced 416-amino acid preproenzyme has a 15-amino acid signal peptide and a 95-amino acid activation peptide.

## Notable Publications

| Author        | Pubmed ID | Journal             | Application |
|---------------|-----------|---------------------|-------------|
| Xiaohua Li    | 30649603  | Arch Gynecol Obstet | WB          |
| Charu Kothari | 33917306  | Cancers (Basel)     | IHC         |
| Yang Song     | 29631213  | Transl Oncol        | WB,IHC      |

## Storage

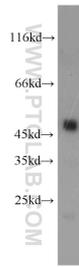
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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.

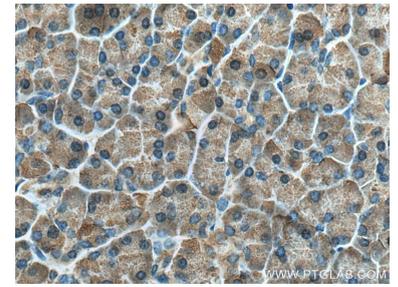
## Selected Validation Data



mouse pancreas tissue were subjected to SDS PAGE followed by western blot with 12600-1-AP (CPB1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 12600-1-AP (CPB1 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 tissue slide using 12600-1-AP (CPB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).