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# CPB1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12023a

## Product Information

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|---|---|
| **Application** | WB, IF, IHC-P, FC, E |
| **Primary Accession** | P15086 |
| **Other Accession** | NP_001862.2 |
| **Reactivity** | Human |
| **Predicted** | Bovine, Canine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB31698 |
| **Calculated MW** | 47368 |
| **Antigen Region** | 9-37 |

## Additional Information

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| **Gene ID** | 1360 |
| **Other Names** | Carboxypeptidase B, Pancreas-specific protein, PASP, CPB1, CPB, PCPB |
| **Target/Specificity** | This CPB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-37 amino acids from the N-terminal region of human CPB1. |
| **Dilution** | WB~~1:1000 IF~~1:10~50 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | CPB1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | CPB1 |
| **Synonyms** | CPB, PCPB |

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|---|---|
| **Cellular Location** | Secreted {ECO:0000250\|UniProtKB:P00732}. Zymogen granule lumen {ECO:0000250\|UniProtKB:P55261} |
| **Tissue Location** | Pancreas.. |

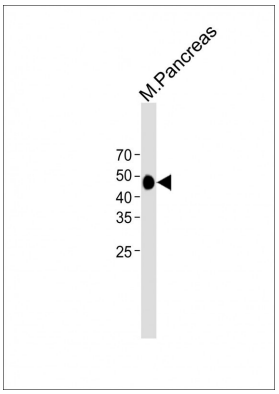
## Background

Three different procarboxypeptidases A and two different procarboxypeptidases B have been isolated. The B1 and B2 forms differ from each other mainly in isoelectric point. Carboxypeptidase B1 is a highly tissue-specific protein and is a useful serum marker for acute pancreatitis and dysfunction of pancreatic transplants. It is not elevated in pancreatic carcinoma.

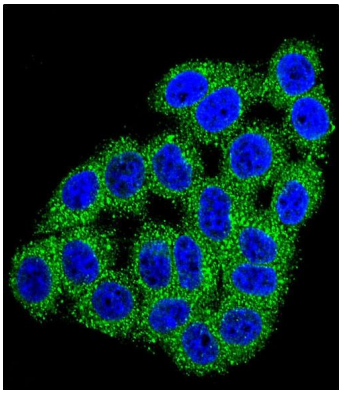
## References


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## Images

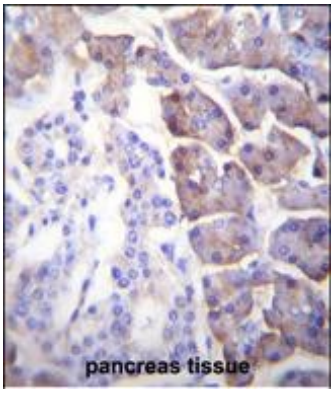


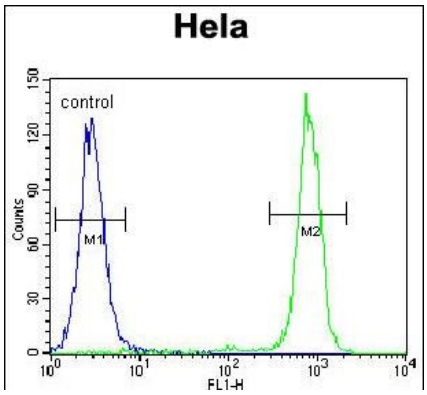

All lanes: Anti-CPB1 Antibody (N-term) at 1:1000 dilution + Mouse Pancreas lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 47 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



Confocal immunofluorescent analysis of CPB1 Antibody (N-term)(Cat#AP12023a) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

CPB1 Antibody (N-term) (Cat. #AP12023a)immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CPB1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.




CPB1 Antibody (N-term) (Cat. #AP12023a) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.