

For Research Use Only

CPB1 Polyclonal antibody

Catalog Number: 12600-1-AP **3 Publications**



Basic Information

Catalog Number: 12600-1-AP	GenBank Accession Number: BC015338	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 1360	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P15086	
Isotype: IgG	Full Name: carboxypeptidase B1 (tissue)	
Immunogen Catalog Number: AG3243	Calculated MW: 417 aa, 47 kDa	
	Observed MW: 47 kDa	

Applications

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

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

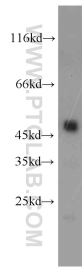
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

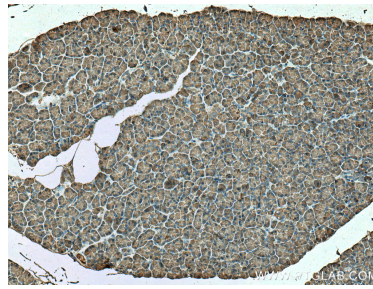
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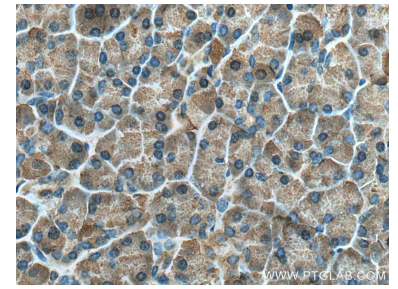
Selected Validation Data



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).