

For Research Use Only

# Ins1 Polyclonal antibody

Catalog Number: 28588-1-AP



## Basic Information

<b>Catalog Number:</b> 28588-1-AP	<b>GenBank Accession Number:</b> NM_008386	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 16333	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:2500-1:10000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P01325	
<b>Isotype:</b> IgG	<b>Full Name:</b> insulin I	
<b>Immunogen Catalog Number:</b> AG29988	<b>Calculated MW:</b> 12 kDa	
	<b>Observed MW:</b> 12 kDa	

## Applications

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

## Background Information

Insulin 1 is a peptide hormone that plays a vital role in the regulation of carbohydrate and lipid metabolism. The encoded precursor protein undergoes proteolytic cleavage to produce a disulfide-linked heterodimeric functional protein that is stored in secretory granules. An increase in blood glucose levels, among others, induces the release of insulin from the secretory granules. Mice deficient in the functional hormone encoded by this gene develop diabetes mellitus.

## Storage

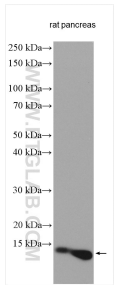
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

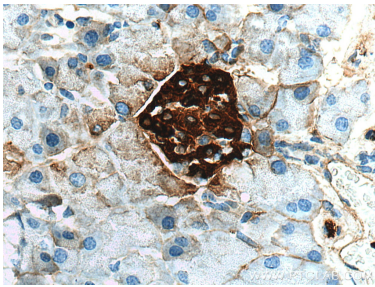
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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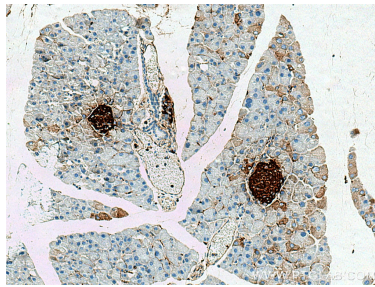
## Selected Validation Data



Rat pancreas tissue were subjected to SDS PAGE followed by western blot with 28588-1-AP (Insulin1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 28588-1-AP (Insulin1 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 28588-1-AP (Insulin1 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).