

Ins1 Monoclonal antibody

Catalog Number: 67668-1-Ig

Basic Information

Catalog Number: 67668-1-Ig	GenBank Accession Number: NM_008386	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 500 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 16333	CloneNo.: 1H2C11
Source: Mouse	Full Name: insulin I	Recommended Dilutions: IHC 1:3000-1:8000 IF 1:50-1:500
Isotype: IgG1	Calculated MW: 12 kDa	
Immunogen Catalog Number: AG29988		

Applications

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

Background Information

insulin I 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

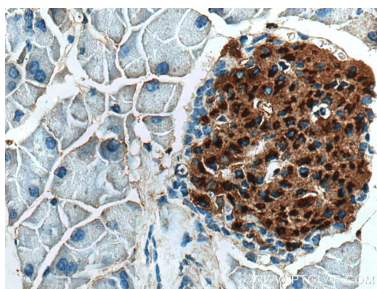
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

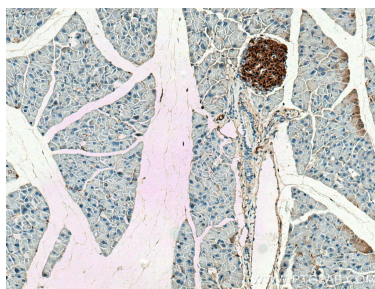
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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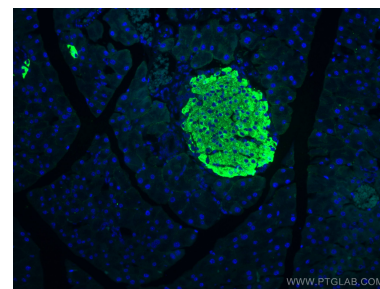
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 67668-1-Ig (Ins1 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 67668-1-Ig (Ins1 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse pancreas tissue using Ins1 antibody (67668-1-Ig, Clone: 1H2C11) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).