

Ins1 Monoclonal antibody

Catalog Number: 67668-1-Ig

Basic Information

Catalog Number:

67668-1-Ig

Size:

150ul , Concentration: 1000 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG29988

GenBank Accession Number:

NM_008386

GeneID (NCBI):

16333

UNIPROT ID:

P01325

Full Name:

insulin I

Calculated MW:

12 kDa

Purification Method:

Protein A purification

CloneNo.:

1H2C11

Recommended Dilutions:

IHC 1:2500-1:10000

IF-P 1:50-1:500

Applications

Tested Applications:

IHC, IF-P, ELISA

Species Specificity:

mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse pancreas tissue, rat pancreas tissue

IF-P: 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. 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

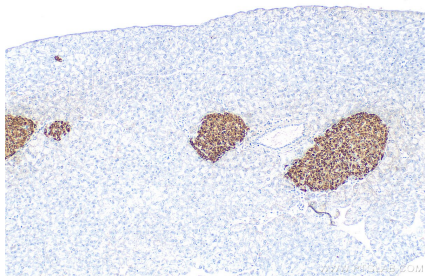
For technical support and original validation data for this product please contact:

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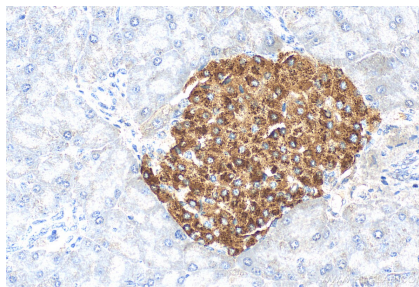
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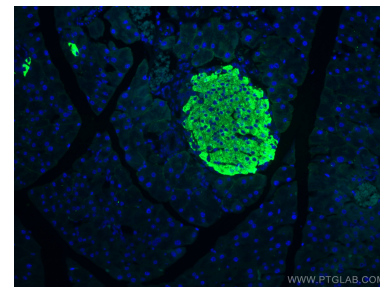
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 67668-1-Ig (Ins1 antibody) at dilution of 1:5000 (under 10x 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 40x 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).