

For Research Use Only

CoraLite®594-conjugated INS Polyclonal antibody



Catalog Number: CL594-15848

1 Publications

Basic Information

Catalog Number: CL594-15848	GenBank Accession Number: BC005255	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 3630	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: INS	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG	Calculated MW: 110 aa, 12 kDa	
Immunogen Catalog Number: AG8630		

Applications

Tested Applications: IF	Positive Controls: IF : mouse pancreas tissue, human pancreas cancer tissue
Cited Applications: IF	
Species Specificity: human, mouse, rat	
Cited Species: mouse	

Background Information

INS is a peptide hormone, produced by beta cells of the pancreas, and is central to regulating carbohydrate and fat metabolism in the body. It participates in glucose utilization, protein synthesis and in the formation and storage of neutral lipids. INS is synthesized as a precursor molecule, proinsulin, which is processed prior to secretion. A- and B-peptides are joined together by a disulfide bond to form INS, while the central portion of the precursor molecule is cleaved and released as the C-peptide. Defects in INS results in type 1 diabetes mellitus.

Notable Publications

Author	Pubmed ID	Journal	Application
Yage Liu	37165735	Food Funct	IF

Storage

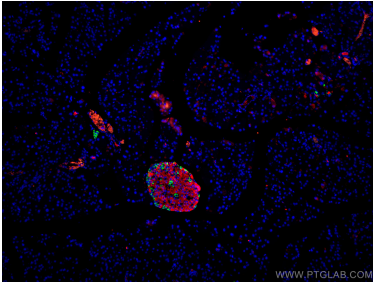
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

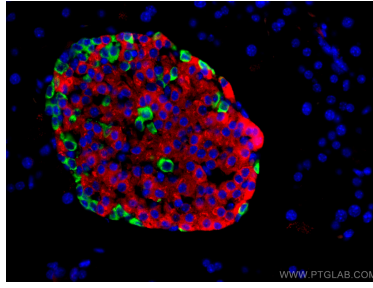
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse pancreas tissue using CoraLite®594 INS antibody (CL594-15848) at dilution of 1:200, CoraLite®488 Glucagon antibody (CL488-15954, green).



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