

IHCeasy[®] Insulin Ready-To-Use IHC Kit

Catalog Number: **KHC0004**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human, Mouse, Rat
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Mouse Monoclonal
Secondary antibody type:
Polymer-HRP-Goat anti-Mouse

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

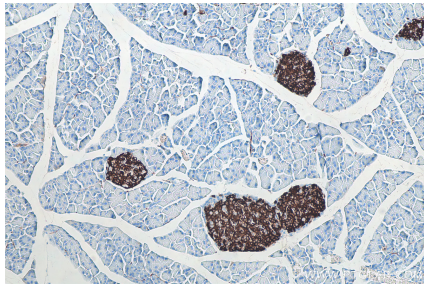
Background

Insulin(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, pro-INS, 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.

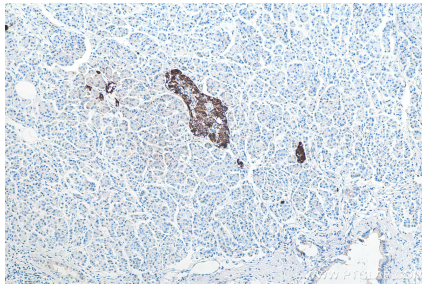
Synonyms

INS

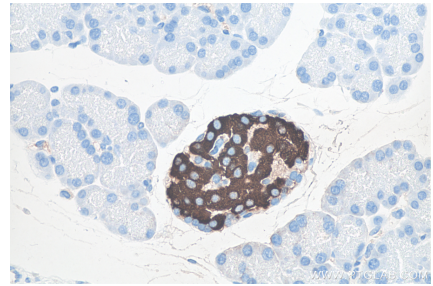
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using KHC0004 (Insulin IHC Kit)



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using KHC0004 (Insulin IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat pancreas tissue slide using KHC0004 (Insulin IHC Kit).