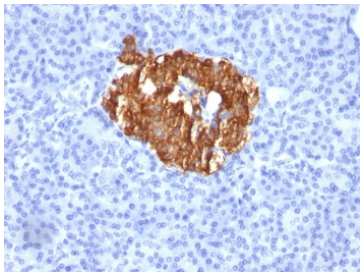
Insulin / IRDN Antibody [clone K36aC10] (V7885)

Catalog No.	Formulation	Size
V7885-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7885-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7885SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	K36aC10
Purity	Protein G affinity chromatography
UniProt	P01308
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.1-0.2ug/ml
Limitations	This Insulin antibody is available for research use only.



IHC staining of FFPE human pancreas with Insulin antibody (clone K36aC10). No HIER required.

Description

Recognizes a polypeptide which is identified as insulin, a 51-amino acid polypeptide composed of A and B chains connected through the C-peptide. Proinsulin, which has very little biological activity, is cleaved by proteases within its cell

of origin into the insulin molecule and the C-terminal basic residue. Insulin enhances membrane transport of glucose, amino acids, and certain ions. It also promotes glycogen storage, formation of triglycerides, and synthesis of proteins and nucleic acids. Deficiency of insulin results in diabetes mellitus. The main storage site for insulin is the pancreatic islets. Antibodies to insulin are important as beta-cell and insulinoma marker.

Application Notes

Optimal dilution of the Insulin antibody should be determined by the researcher.

Immunogen

Purified human insulin was used as the immunogen for the Insulin antibody.

Storage

Store the Insulin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).