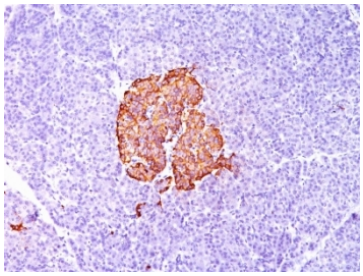
Insulin Antibody [clone SPM139] (V9034)

Catalog No.	Formulation	Size
V9034-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9034-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9034SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9034IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM139
Purity	Protein G affinity chromatography
UniProt	P01308
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Insulin antibody is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human pancreas stained with Insulin antibody (SPM139).

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

Immunogen

Full length (amino acids 1-84) purified pig insulin was used as the immunogen for this Insulin antibody.

Storage

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