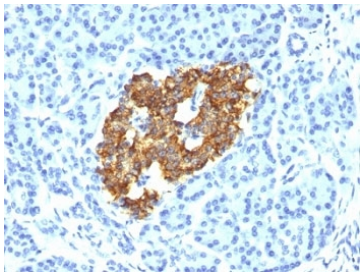
Insulin Antibody [clone IRDN/794] (V2635)

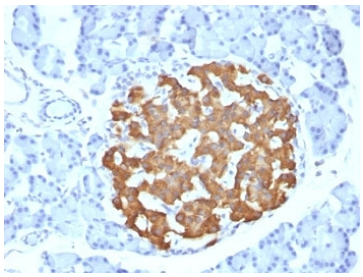
Catalog No.	Formulation	Size
V2635-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2635-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2635SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2635IHC-7ML	Prediluted 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

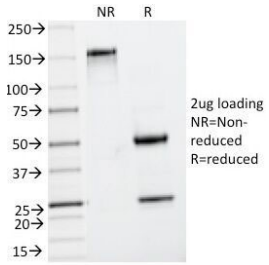
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	IRDN/794
Purity	Protein G affinity chromatography
UniProt	P01308
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml 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 (IRDN/794).



IHC: Formalin-fixed, paraffin-embedded rat pancreas stained with Insulin antibody (IRDN/794).



SDS-PAGE Analysis of Purified, BSA-Free Insulin Antibody (clone IRDN/794). Confirmation of Integrity and Purity of the Antibody.

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.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant INS protein 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).

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