

ABGENEX Pvt. Ltd., E-5, Infocity, KIIT Post Office, Tel: +91-674-2720712, +91-9437550560 Email: info@abgenex.com

Bhubaneswar, Odisha - 751024, INDIA

36-1313: Monoclonal Antibody to Insulin / IRDN (beta-Cell & Insulinoma Marker)(Clone: IRDN/794)

Clone Name : Monoclonal IRDN/794

Application: IHC

Reactivity: Human, Mouse, Rat

 Gene :
 INS

 Gene ID :
 3630

 Uniprot ID :
 P01308

 Format :
 Purified

 Alternative Name :
 INS

Isotype : Mouse IgG1, kappa **Immunogen Information :** Recombinant INS protein

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.

Product Info

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

toxic.

Storage condition:

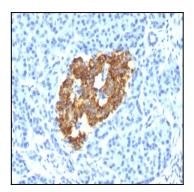
Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

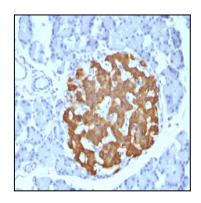


Formalin-fixed, paraffin-embedded human Pancreas stained with Insulin Monoclonal Antibody (IRDN/794).



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Formalin-fixed, paraffin-embedded Rat Pancreas stained with Insulin Monoclonal Antibody (IRDN/794).