Insulin Polyclonal Antibody

catalog number: **E-AB-70202**

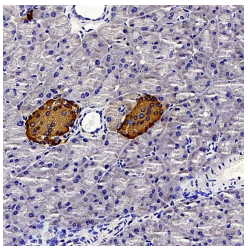
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Recombinant protein corresponding to Mouse insulin
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
IHC	1:200-1:1000

Data



Immunohistochemistry analysis of paraffin-embedded mouse pancreas using Insulin Polyclonal Antibody at dilution of 1:300.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Insulin 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. Insulin is synthesized as a precursor molecule,proinsulin,which is processed prior to secretion. A- and B-peptides are joined together by a disulfide bond to form insulin,while the central portion of the precursor molecule is cleaved and released as the C-peptide. Defects in insulin results in type 1 diabetes mellitus. Insulin may also exist 36 kDa form corresponding to the hexameric insulin form.

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