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Anti-Insulin Antibody (Monoclonal, K36AC10)

Catalog # ABO10441

Product Information

Application	IHC-P
Primary Accession	P01323
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human, Rat
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for Insulin, insulin (INS) detection. Tested with IHC-P in Human;rabbit;rat. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Gene ID	24506
Other Names	Insulin-2, Insulin-2 B chain, Insulin-2 A chain, Ins2, Ins-2
Calculated MW	12339
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.4-1 □g/ml, Human, rabbit, rat, By Heat
Subcellular Localization	Secreted.
Source	Eukaryota
Protein Name	Insulin
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.
Clone Names	K36AC10
Immunogen	Human insulin.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities	Belongs to the insulin family.

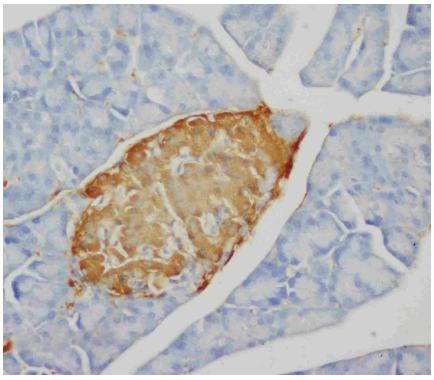
Protein Information

Name	Ins2
Synonyms	Ins-2
Function	Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver.
Cellular Location	Secreted.

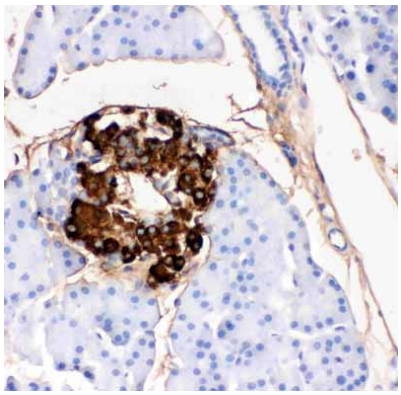
Background

Insulin, synthesized by the beta cells of the islets of Langerhans, consists of 2 dissimilar polypeptide chains, A and B, which are linked by 2 disulfide bonds. The insulin gene contains 3 exons and 2 introns; exon 2 encodes the signal peptide, the B chain, and part of the C peptide, while exon 3 encodes the remainder of the C peptide and the A chain. Localization of the human insulin gene to the distal end of the short arm of chromosome 11. Harper et al.(1981) and Harper and Saunders(1981) assigned the insulin gene to 11p15.5 by in situ hybridization.

Images



Anti-Insulin antibody (monoclonal), ABO10441, IHC(P)IHC(P): Rat Pancreas Tissue



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