

Anti-Insulin Ins2 Antibody (Monoclonal, K36AC10)

Catalog Number: MA1052

About Ins2

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.

Overview

Product Name	Anti-Insulin Ins2 Antibody (Monoclonal, K36AC10)
Reactive Species	Human, Rabbit, Rat
Description	Boster Bio Anti-Insulin Ins2 Antibody (Monoclonal, K36AC10) catalog # MA1052. Tested in IHC applications. This antibody reacts with Human, Rabbit, Rat.
Application	IHC
Clonality	Monoclonal K36AC10
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P01323

Technical Details

Immunogen	Human insulin.
Predicted Reactive Species	Monkey
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

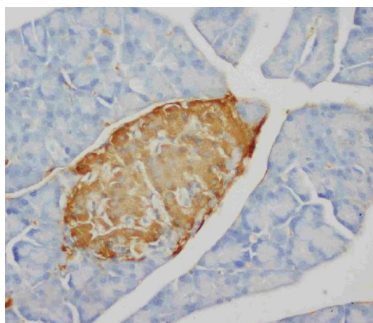
If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

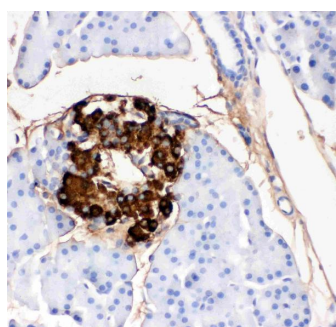
Boster Bio's internal QC testing used:

Immunohistochemistry (Paraffin-embedded Section), 0.4-1ug/ml, Human, rabbit, rat, By Heat

Anti-Insulin Ins2 Antibody (Monoclonal, K36AC10) (MA1052) Images



Anti-Insulin antibody (monoclonal), MA1052, IHC(P)
IHC(P): Rat Pancreas Tissue



Anti-Insulin antibody (monoclonal), MA1052, IHC(P)
IHC(P): Rat Pancreas Tissue

25 Publications Citing This Product

1. PubMed ID: 31687407, Gao T, Jiao Y, Liu Y, Li T, Wang Z, Wang D. Protective Effects of Konjac and Inulin Extracts on Type 1 and Type 2 Diabetes. J Diabetes Res. 2019 Oct 7; 2019:3872182. doi:10.1155/2019/3872182. PMID:31687407; PMCID:PMC6800947.
2. PubMed ID: 31743716, Dong X, Zhao SX, Yin XL, Wang HY, Wei ZG, Zhang YQ. Silk sericin has significantly hypoglycaemic effect in type 2 diabetic mice via anti-oxidation and anti-inflammation. Int J Biol Macromol. 2020 May 1; 150:1061-1071. doi:10.1016/j.ijbiomac.2019.10.111. Epub 2019 Nov 16. PMID:31743716.
3. PubMed ID: 32328034, Huo K, Li X, Hu W, Song X, Zhang D, Zhang X, Chen X, Yuan J, Zuo J, Wang X. RFRP-3, the Mammalian Ortholog of GnIH, Is a Novel Modulator Involved in Food Intake and Glucose Homeostasis. Front Endocrinol (Lausanne). 2020 Apr 9; 11:194. doi:10.3389/fendo.2020.00194. PMID

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