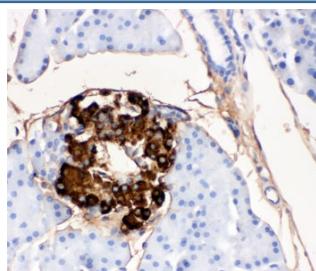


Insulin Antibody [clone KC36AC10] (R30045)

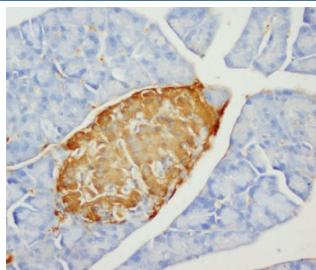
Catalog No.	Formulation	Size
R30045	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Rabbit, Rat
Format	Ascites
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	KC36AC10
Purity	Ascites
Gene ID	3630
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml
Limitations	This Insulin antibody is available for research use only.



IHC-P testing of rat pancreas tissue with insulin antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.



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Description

Insulin, synthesized by the beta cells of the islets of Langerhans, consists of two dissimilar polypeptide chains, A and B, which are linked by two disulfide bonds. The 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Insulin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human insulin was used as the immunogen for this Insulin antibody.

Storage

After reconstitution, the Insulin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.