

INS

Reactivity:Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:100

Calculated MW:12kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human INS

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

p

Synonym:

ILPR; IRDN; IDDM2; MODY10; Insulin;

Catalog #:A2090

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:3630

Isotype:IgG

Swiss Prot:P01308

Purity:Affinity purification

For research use only.

Background:

The maintenance of glucose homeostasis is an essential physiological process that is regulated by hormones. An elevation in blood glucose levels during feeding stimulates insulin release from pancreatic cells through a glucose sensing pathway (1). 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. Insulin stimulates glucose uptake from blood into skeletal muscle and adipose tissue. Insulin deficiency leads to type 1 diabetes mellitus (2).

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