

A10922

Leader in Biomolecular Solutions for Life Science



Insulin Rabbit mAb

Catalog No.: A10922

Recombinant

Basic Information

Observed MW

Calculated MW

12kDa

Category

SMab Recombinant Monoclonal Antibody

Applications

IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

This gene encodes insulin, a peptide hormone that plays a vital role in the regulation of carbohydrate and lipid metabolism. After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form insulin, and C-peptide. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. A multitude of mutant alleles with phenotypic effects have been identified, including insulin-dependent diabetes mellitus, permanent neonatal diabetes mellitus, maturity-onset diabetes of the young type 10 and hyperproinsulinemia. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region.

Recommended Dilutions

IHC-P 1:500 - 1:1000

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

3630

Swiss Prot

P01308

Immunogen

Recombinant protein of human INS

Synonyms

IDDM; ILPR; IRDN; IDDM1; IDDM2; PNDM4; MODY10; Insulin

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.