

INS

Reactivity: Human Mouse Rat

Tested applications: IHC ICC IF

Recommended Dilution: IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:100

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.

Synonym:

IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10;

Catalog #: A10922

Antibody Type:

Monoclonal Antibody

Species: Rabbit

Gene ID: 3630

Isotype: IgG

Swiss Prot: P01308

Purity: Affinity purification

For research use only.

Background:

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. 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. Alternative splicing results in multiple transcript variants.

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