

Insulin Rabbit pAb

db20504

Package : 20µL 50µL 100µL

Product Name : Insulin Rabbit pAb**Cat.No.:** db20504**Synonyms** : IDDM; ILPR; IRDN; IDDM1; IDDM2; PNDM4; MODY10**Application** : IHC**Reactivity** : Human**Host species** : Rabbit**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. [provided by RefSeq, May 2020]

Immunogen

A synthetic peptide of human Insulin

Gene ID

3630

Swiss Prot

P01308

Synonyms

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

Reactivity

Human

Application

IHC

Recommended dilution

IHC: 1:50

Calculated MW

12 kDa

Host species

Rabbit

Clonality

Polyclonal

Isotype

IgG

Purity

Affinity Purification

Conjugation

Un-conjugated

Storage Stability

Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.