Recombinant DGRmAb®

Insulin (DGR31615) Rabbit mAb

db13712 **Package : 10μL 20μL 50μL 100μL**

Product Name : Insulin (DGR31615) Rabbit mAb
Cat.No.: db13712
Synonyms : IDDM; ILPR; IRDN; IDDM1; IDDM2; PNDM4; MODY10
Application : IHC-P
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 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-P
Recommended dilution	IHC-P: 1:200-1:500
Calculated MW	12 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR31615
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.