Recombinant DGRmAb®

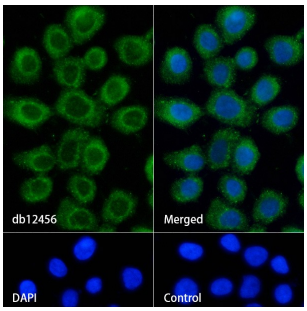
Insulin (DGR11523) Rabbit mAb

db12456 **Package : 10μL 20μL 50μL 100μL**

Product Name : Insulin (DGR11523) Rabbit mAb
Cat.No.: db12456
Synonyms : IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10
Application : WB, IHC, ICC/IF
Reactivity : Human, Mouse, Rat
Host species : Rabbit

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. [provided by RefSeq, Jun 2010]
Immunogen	Recombinant protein of human Insulin
Gene ID	3630
Swiss Prot	P01308
Synonyms	IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10
Reactivity	Human, Mouse, Rat
Application	WB, IHC, ICC/IF
Recommended dilution	WB: 1:1000 IHC: 1:20-1:5000 ICC/IF: 1:50
Calculated MW	12 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11523
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.



Immunofluorescence analysis of BxPC-3 cells labelling Insulin with db12456.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12456 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.