

Recombinant

DGRmAb®

## PI3-Kinase p85 alpha (DGR16380) Rabbit mAb

db16082

Package : 10µL 20µL 50µL 100µL

**Product Name** : PI3-Kinase p85 alpha (DGR16380) Rabbit mAb**Cat.No.:** db16082**Synonyms** : p85; AGM7; GRB1; IMD36; p85-ALPHA**Application** : IHC, ICC/IF, FC**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011]

**Immunogen**

A synthetic peptide of human PI 3 Kinase p85 alpha

**Gene ID**

5295

**Swiss Prot**

P27986

**Synonyms**

p85; AGM7; GRB1; IMD36; p85-ALPHA

**Reactivity**

Human, Mouse, Rat

**Application**

IHC, ICC/IF, FC

**Recommended dilution**

IHC: 1:100

ICC/IF: 1:50

FC: 1:50

**Calculated MW**

84 kDa

**Observed MW**

85 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

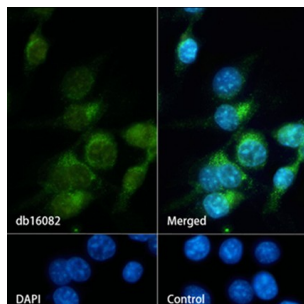
**Clonality No.**

DGR16380

**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 3T3 cells labelling PI3-Kinase p85 alpha with db16082.

The cells were fixed with cold 100% methanol (10min, 4°C) 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 db16082 (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.