**diagbio**®

**Recombinant** **DGRmAb**®

## IDE (DGR16010) Rabbit mAb

**db11340**

Package : 10μL  20μL  50μL  100μL

**Product Name :** IDE (DGR16010) Rabbit mAb

**Cat.No.:** db11340

**Synonyms :** INSULYSIN

**Application :** WB, IHC-P

**Reactivity :** Human,Mouse,Rat

**Host species :** Rabbit

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|---|---|
| **Background** | This gene encodes a zinc metallopeptidase that degrades intracellular insulin, and thereby terminates insulins activity, as well as participating in intercellular peptide signalling by degrading diverse peptides such as glucagon, amylin, bradykinin, and kallidin. The preferential affinity of this enzyme for insulin results in insulin-mediated inhibition of the degradation of other peptides such as beta-amyloid. Deficiencies in this protein's function are associated with Alzheimer's disease and type 2 diabetes mellitus but mutations in this gene have not been shown to be causitive for these diseases. This protein localizes primarily to the cytoplasm but in some cell types localizes to the extracellular space, cell membrane, peroxisome, and mitochondrion. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described but have not been experimentally verified.[provided by RefSeq, Sep 2009] |
| **Immunogen** | A synthetic peptide of human IDE |
| **Gene ID** | 3416, 15925, 25700 |
| **Swiss Prot** | P14735, Q9JHR7, P35559 |
| **Synonyms** | INSULYSIN |
| **Reactivity** | Human,Mouse,Rat |
| **Application** | WB, IHC-P |
| **Recommended dilution** | WB: 1:1000-1:5000<br>IHC-P: 1:50-1:100 |
| **Calculated MW** | 118 kDa |
| **Observed MW** | 118 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |

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| **Clonality No.** | DGR16010 |
| **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. |
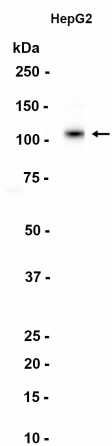
Western blot analysis of extracts from HepG2 cells using db11340 at 1:1000.