

Recombinant

DGRmAb®

**GAD1/2 (DGR20516) Rabbit mAb**

db11316

Package : 10µL 20µL 50µL 100µL

**Product Name :** GAD1/2 (DGR20516) Rabbit mAb**Cat.No.:** db11316**Synonyms :** GAD; SCP; CPSQ1**Application :** WB, IHC-P, ICC/IF, IP**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

This gene encodes one of several forms of glutamic acid decarboxylase, identified as a major autoantigen in insulin-dependent diabetes. The enzyme encoded is responsible for catalyzing the production of gamma-aminobutyric acid from L-glutamic acid. A pathogenic role for this enzyme has been identified in the human pancreas since it has been identified as an autoantigen and an autoreactive T cell target in insulin-dependent diabetes. This gene may also play a role in the stiff man syndrome. Deficiency in this enzyme has been shown to lead to pyridoxine dependency with seizures. Alternative splicing of this gene results in two products, the predominant 67-kD form and a less-frequent 25-kD form. [provided by RefSeq, Jul 2008]

**Immunogen**

Recombinant protein of human GAD1

**Gene ID**

2571, 2572

**Swiss Prot**

Q05329, Q99259

**Synonyms**

GAD; SCP; CPSQ1

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF, IP

**Recommended dilution**WB: 1:1000  
IHC-P: 1:200-1:1000  
ICC/IF: 1:100  
IP: 1:20-1:50**Calculated MW**

65,67 kDa

**Observed MW**

65,67 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

Clonality No.	DGR20516
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.