

## Rabbit Polyclonal Antibody to GAD65 (Glutamate Decarboxylase 65)

<b>Catalog No.:</b>	RP 075, RP 075-05
<b>Applications:</b>	Research Use Only. Optimal working conditions must be determined by the end user.
<b>Immunogen:</b>	A synthetic peptide derived from the C-terminus region of the human GAD65 protein.
<b>Host:</b>	Rabbit
<b>Format:</b>	Purified immunoglobulin fraction of rabbit antiserum against human GAD65 containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
<b>Staining Protocol:</b>	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	This antibody reacts with a 65 kD protein, known as GAD (Glutamate Decarboxylase). Two forms of GAD exist in adults, GAD65 and GAD67, which are encoded by different genes. GAD65 and GAD67 are expressed in most GABA containing neurons. GAD65 appears to be targeted to the membrane and nerve ending, whereas GAD67 is more widely distributed throughout the cell. This antibody cross reacts with rat.
<b>Positive Control:</b>	Pancreas
<b>Cellular Localization:</b>	Cytoplasmic
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
<b>References:</b>	i) Bu and Tobin Genomics 21: 222, 1994. ii) Karlsen et al. Proc Natl Acad Sci USA 88: 8337, 1991.

### RUO: Research Use Only

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

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