



## Rabbit polyclonal antibody to human GAD67 (10-24): Affinity purified

<b>Catalogue No.:</b>	R-1008-100
<b>Description:</b>	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Glutamic Acid Decarboxylase (GAD) catalyzes the conversion of glutamate to gamma-aminobutyric acid (GABA). There are two known forms of GAD; GAD65 (65 kDa) and GAD67 (67 kDa) that are encoded by two different genes and appear to have distinct intraneuronal distribution in the brain. This antibody reacts with GAD67 and is predicted to react with GAD65.
<b>Replaced by:</b>	R-1726-100
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 $\mu$ g
<b>Antigen:</b>	A synthetic peptide (ATSSNAGADPNTTNL) corresponding to amino acids 10-24 from the N-terminus of human GAD67
<b>Other Names:</b>	GAD; GAD-67; GAD1; Glutamate decarboxylase 1;
<b>Accession:</b>	Q99259 DCE1_HUMAN
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 $\mu$ g/ml is recommended for WB. Human GAD67 has a predicted length of 594 residues and MW of 67 kDa. A concentration of 0.5-1.0 $\mu$ g/ml is recommended to detect GAD67 in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Rat; expected to react with human and mouse due to sequence homology
<b>Form:</b>	Liquid (0.5ml). 50% glycerol, 0.9mg NaCl and 0.2mg Na <sub>2</sub> HPO <sub>4</sub>
<b>Reconstitution:</b>	The liquid formulation should be diluted in PBS (pH 7.4)
<b>Storage:</b>	After reconstitution, aliquot and store at -20 $^{\circ}$ C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase.

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