

## **Product datasheet for TA336218**

## **GAD67 (GAD1) Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

**Host:** Rabbit

**Isotype:** IgG

Clonality: Polyclonal

**Immunogen:** The immunogen for Anti-GAD1 Antibody: synthetic peptide directed towards the N terminal

of human GAD1. Synthetic peptide located within the following region: MASSTPSSSATSSNAGADPNTTNLRPTTYDTWCGVAHGCTRKLGLKICGF

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Purification:** Affinity Purified

Conjugation: Unconjugated

**Store** at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

**Predicted Protein Size:** 67

**Gene Name:** glutamate decarboxylase 1

Database Link: NP 000808

Entrez Gene 2571 Human

Q99259



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

## GAD67 (GAD1) Rabbit Polyclonal Antibody - TA336218

**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.

Synonyms: CPSQ1; GAD; SCP

Note: Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Human: 100%; Bovine:

100%; Rabbit: 100%; Guinea pig: 100%; Horse: 93%; Mouse: 93%

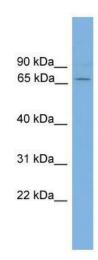
**Protein Families:** Druggable Genome

**Protein Pathways:** Alanine, aspartate and glutamate metabolism, beta-Alanine metabolism, Butanoate

metabolism, Metabolic pathways, Taurine and hypotaurine metabolism, Type I diabetes

mellitus

## **Product images:**



WB Suggested Anti-GAD1 Antibody Titration: 0.2-1 ug/ml; Positive Control: Human Placenta