

## Rabbit anti-Human, Mouse GAD-65/67 Polyclonal Antibody | anti-GAD-65/67 antibody

GAD-65/67 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                  |
|-----------|--------|--------------|---------------------------------------------------------------|
| AAA22057  | Rabbit | Human, Mouse | Western Blot, Immunohistochemistry, Immunofluorescence, ELISA |

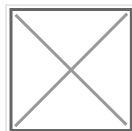
### PRODUCT SYNONYMS

GAD-65/67; Polyclonal Antibody; GAD-65/67 Polyclonal Antibody; GAD1; GAD; GAD67; Glutamate decarboxylase 1; 67 kDa glutamic acid decarboxylase; GAD-67; Glutamate decarboxylase 67 kDa isoform; GAD2; GAD65; Glutamate decarboxylase 2; 65 kDa glutamic acid decarboxylase; GAD-65; Glutamate decarboxylase 65; anti-GAD-65/67 antibody

### PRODUCT SPECIFICATIONS

|                                                     |                                                                               |
|-----------------------------------------------------|-------------------------------------------------------------------------------|
| Host                                                | Rabbit                                                                        |
| Reactivity                                          | Human, Mouse                                                                  |
| Clonality                                           | Polyclonal                                                                    |
| Isotype                                             | IgG                                                                           |
| Purity/Purification                                 | Affinity purification                                                         |
| Form/Format                                         | PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4                 |
| Applicable Applications for anti-GAD-65/67 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA |
| Application Notes                                   | WB: 1:500-1:2000<br>IHC: 1:100-1:300<br>IF: 1:200-1:1000<br>ELISA: 1:5000     |
| Immunogen                                           | Synthesized peptide derived from the C-terminal region of human GAD-65/67.    |
| Note                                                | Centrifuge before opening to ensure complete recovery of vial contents.       |
| Preparation and Storage                             | Store at -20°C. Avoid freeze / thaw cycles.                                   |

### IMAGES



#### WB (Western Blot)

Western Blot analysis of Mouse cells with GAD-65/67 Polyclonal Antibody.

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GAD-65/67 antibody | 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 gammaaminobutyric 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 autoantibody and an autoreactive T cell target in insulindependent diabetes. This gene may also play a role in the stiff man syndrome.Alternative splicing of this gene results in two products, the predominant 67-kD form and a less-frequent 25-kD form.An important paralog of this gene is GAD2.GAD2 (Glutamate Decarboxylase 2) is a Protein Coding gene. Diseases associated with GAD2 include Stiff- Person Syndrome and Autoimmune Polyendocrine Syndrome, Type li. GO annotations related to this gene include protein heterodimerization activity and carboxy-lyase activity. |
| Product Categories/Family for anti-GAD-65/67 antibody   | Epigenetics; Neuroscience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                     |                                              |
|---------------------|----------------------------------------------|
| UniProt Accession # | Q99259                                       |
| Molecular Weight    | Calculated MW: 66 kDa<br>Observed MW: 65 kDa |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gad-65-67-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/22057>