

# Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

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Product no **AS16 3840**

## GAD67 (14-122) | Glutamic Acid Decarboxylase

### Product information

<b>Background</b>	<b>Glutamic Acid Decarboxylase</b> 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. Alternative names: GAD; GAD-67; GAD1; Glutamate decarboxylase 1;
<b>Immunogen</b>	<i>E.coli</i> -derived human GAD67 recombinant protein (14-122). Human GAD67 shares 95% amino acid (aa) sequence identity with both mouse and rat GAD67. UniProt: <a href="#">Q99259</a> , <a href="#">DCE1_HUMAN</a> .
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Affinity purified serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	100 µg
<b>Reconstitution</b>	For reconstitution add 100 µl of sterile water.
<b>Storage</b>	After reconstitution, centrifuge to remove any insoluble material. Storage: At -20°C for one year (lyophilized). After reconstitution, the antibody can be stored at 4°C for one month or alternatively, aliquot the vial into smaller volumes and store at -20°C for a higher stability. Avoid repeated freezing and thawing. Shelf life time is 12 months.
<b>Tested applications</b>	Western blot (WB)

### Application information

<b>Recommended dilution</b>	0.1-0.5 µg/ml
<b>Expected   apparent MW</b>	67 kDa
<b>Confirmed reactivity</b>	Human, Rat
<b>Predicted reactivity</b>	Mouse
<b>Additional information</b>	The detection limit for GAD67 is approximately 0.25 ng/lane under reducing conditions. For high resolution images, please visit the specific product page at <a href="http://www.agrisera.com">www.agrisera.com</a>

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