


### Rabbit polyclonal to GAD67/GAD1 ab97739

★★★★★ [3 Abreviews](#) [10 References](#) [3 Images](#)

#### Overview

<b>Product name</b>	Rabbit polyclonal to GAD67/GAD1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Cow, Cat, Dog, Pig, Zebrafish 
<b>Immunogen</b>	Recombinant fragment within Human GAD1/GAD67 aa 1-200. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b><a href="#">contact</a></b> our Scientific Support team to discuss your requirements. Database link: <a href="#">Q99259-1</a>
<b>Positive control</b>	H1299, HeLa, HepG2, Molt-4, Raji and NIH-3T3 cells
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab97739 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 67 kDa.
ICC/IF	★★★★★ (1)	1/100 - 1/200.

## Target

### Function

Catalyzes the production of GABA.

### Tissue specificity

Isoform 3 is expressed in pancreatic islets, testis, adrenal cortex, and perhaps other endocrine tissues, but not in brain.

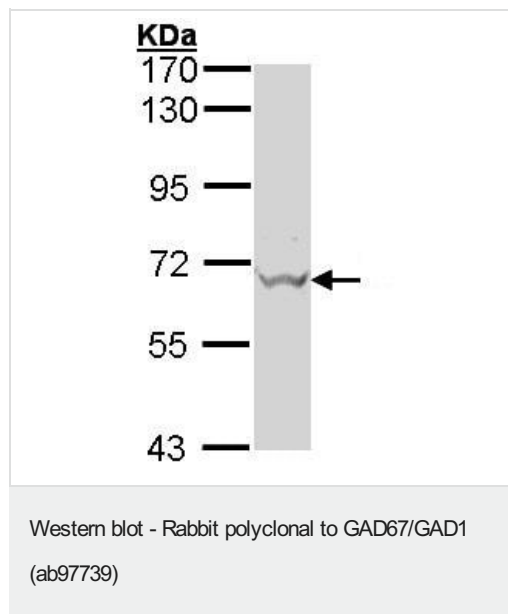
### Involvement in disease

Defects in GAD1 are the cause of cerebral palsy spastic quadriplegic type 1 (CPSQ1) [MIM:603513]. A non-progressive disorder of movement and/or posture resulting from defects in the developing central nervous system. Affected individuals manifest symmetrical, non-progressive spasticity and no adverse perinatal history or obvious underlying alternative diagnosis. Developmental delay, mental retardation and sometimes epilepsy can be part of the clinical picture.

### Sequence similarities

Belongs to the group II decarboxylase family.

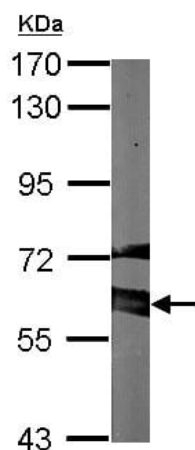
## Images



Rabbit polyclonal to GAD67/GAD1 (ab97739) at 1/500 dilution + HepG2 whole cell lysate at 30 µg

**Predicted band size:** 67 kDa

7.5% SDS PAGE

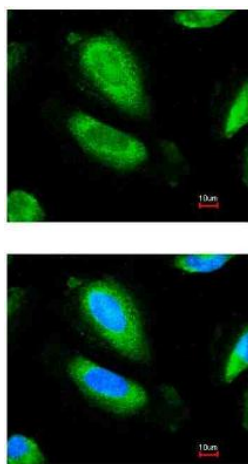


Western blot - Rabbit polyclonal to GAD67/GAD1 (ab97739)

Rabbit polyclonal to GAD67/GAD1 (ab97739) at 1/1000 dilution + NIH-3T3 whole cell lysate at 30 µg

**Predicted band size:** 67 kDa

7.5% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Rabbit polyclonal to GAD67/GAD1 (ab97739)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using GAD1/GAD67 antibody (ab97739) at 1/200 dilution. Lower image was also merged with DNA probe.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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