

Datasheet for ABIN668140  
**anti-GAD65 antibody (AA 501-585)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	GAD65 (GAD2)
Binding Specificity:	AA 501-585
Reactivity:	Human, Rat, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAD65 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GAD65
Isotype:	IgG
Cross-Reactivity:	Chicken, Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Pig
Purification:	Purified by Protein A.

## Target Details

Target:	GAD65 (GAD2)
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## Target Details

Alternative Name:	GAD65 ( <a href="#">GAD2 Products</a> )
Background:	<p>Synonyms: GAD65, Glutamate decarboxylase 2, 65 kDa glutamic acid decarboxylase, GAD-65, Glutamate decarboxylase 65 kDa isoform, GAD2</p> <p>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 autoantibody and an autoreactive T cell target in insulin-dependent diabetes. This gene may also play a role in the stiff man syndrome. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Oct 2008]</p>
Gene ID:	2572
UniProt:	<a href="#">Q05329</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

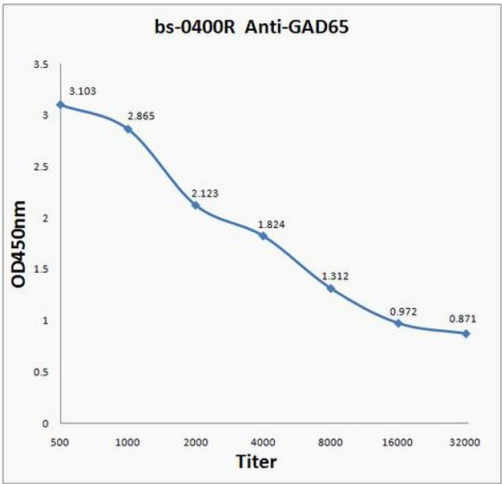
## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

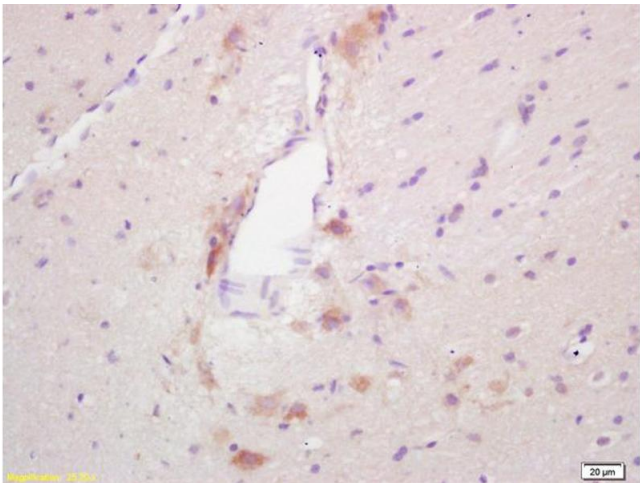
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



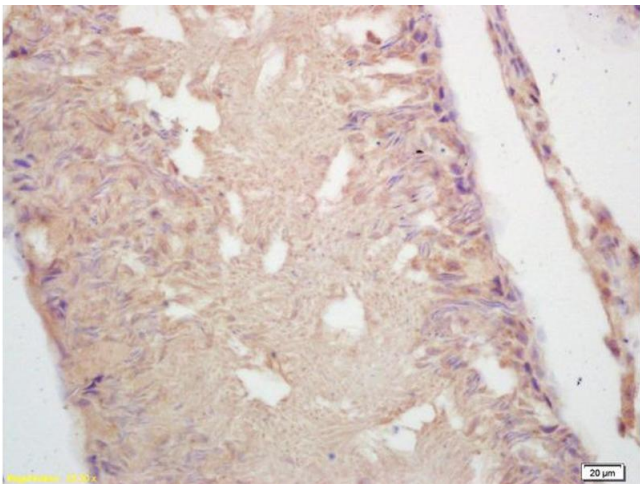
ELISA

**Image 1.** Antigen: 0.2 µg/100 µL Primary: Antiserum, 1:500, 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000; Secondary: HRP conjugated Goat-Anti-Rabbit IgG at 1: 5000; TMB staining; Read the data in MicroplateReader by 450



Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti GAD65 Polyclonal Antibody, Unconjugated (ABIN668140) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin embedded rat testis labeled with Rabbit Anti GAD65 Polyclonal Antibody, Unconjugated (ABIN668140) at 1:200 followed by conjugation to the secondary antibody and DAB staining