

Product datasheet

Anti-GAD65 + GAD67 antibody ab49832

★★★★☆ [6 Abreviews](#) [29 References](#) [2 Images](#)

Overview

Product name	Anti-GAD65 + GAD67 antibody
Description	Rabbit polyclonal to GAD65 + GAD67
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Rat
Immunogen	Synthetic peptide: K-DIDFLIEEIERLGQDL conjugated to KLH by a Glutaraldehyde linker, corresponding to C terminal amino acids 579-594 (with N-terminally added lysine) of Human GAD67. The sequence is identical in Human GAD 65 (amino acids 570-585).

 [Run BLAST with](#)

 [Run BLAST with](#)

General notes

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.

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&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
Purity	Ion Exchange Chromatography
Purification notes	Whole antiserum is fractionated and then further purified by ion-exchange chromatography to provide the IgG fraction of antiserum that is essentially free of other Rabbit serum proteins.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab49832 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
IHC-P	★★★★★ (2)	1/1000 - 1/2000.

Target

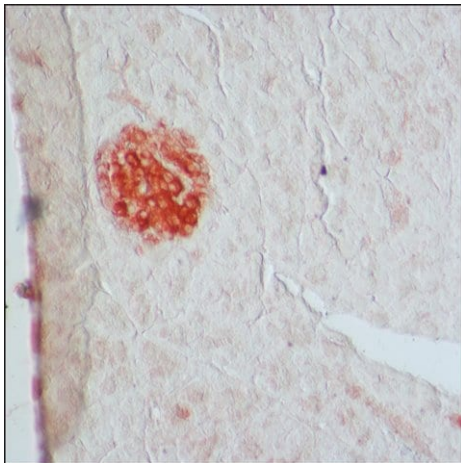
Relevance

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.

Cellular localization

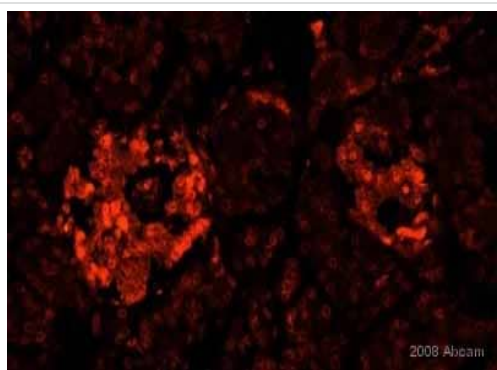
Cytoplasm; cytosol. Associated to cytoplasmic vesicles. In neurons, cytosolic leaflet of Golgi membranes and presynaptic clusters.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Rat pancreatic sections labelling GAD65 & GAD67 with ab49832 at a concentration of 1/1000. The secondary used was a biotin peroxidase.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GAD65 + GAD67 antibody (ab49832)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GAD65 + GAD67 antibody (ab49832)

This image is courtesy of an anonymous Abreview

ab49832 staining human pancreas tissue sections by IHC-P.

Sections were formaldehyde fixed and subjected to heat mediated antigen retrieval in 10mM citrate buffer prior to incubation with ab49832, diluted 1/2000, for 1 hour at 25°C. An Alexa Fluor® 546 conjugated goat anti-rabbit antibody, diluted 1/200, was used as the secondary.

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

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