

Anti-Glutamic Acid Decarboxylase-67 (GAD 67) Antibody

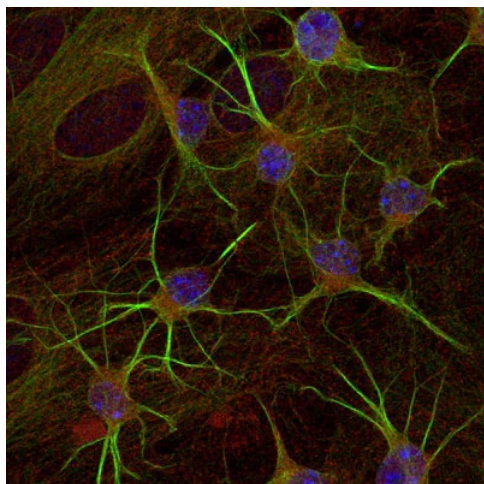


Product Details

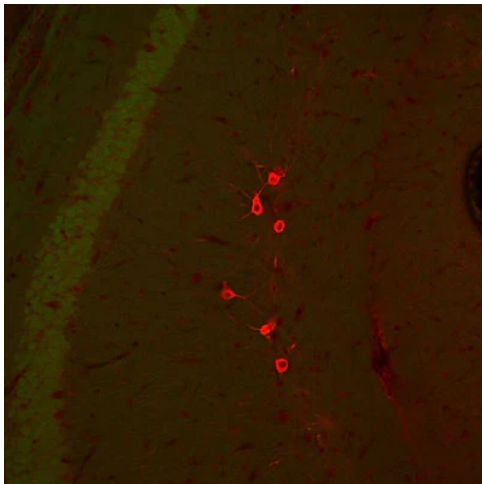
Available Variants	1000 µL (SKU:GAD) 100 µL (SKU:GAD-0020)
Isotype	IgY
Gene Name	GAD1 GAD GAD67
Host Species	Chicken
Concentration	100 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with a synthetic peptide / keyhole limpet hemocyanin (KLH) conjugate. This synthetic peptide corresponded to a region near the Cterminus of this gene product, and was 100% conserved between the human (Q99259, NCBI), mouse (P48318, NCBI) and rat (NP_058703, NCBI) gene products. After repeated injections into the hens, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, the concentrations of the eluate adjusted to 100 µg/mL, and the preparation was filter-sterilized through a 0.45 µm filter.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:1000-1:2000 IHC: 1:500-1:1000 ICC: 1:500-1:1000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide

Molecular Weight	67 kDa
Quality Control	This antibody preparation was analyzed by immunohisto-chemistry (at a concentration of 1 µg/mL) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2313545
UniProt ID	Q99259
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

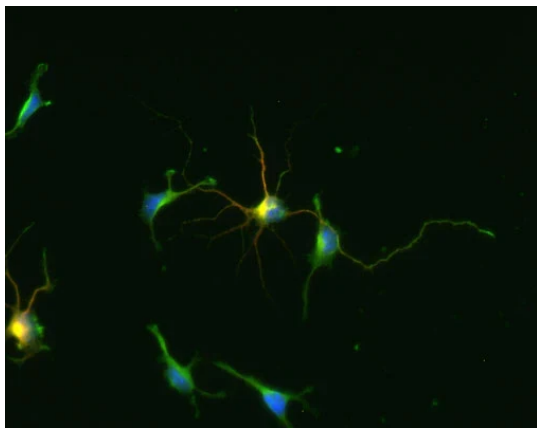
Product Images



Sph21 neuroblastoma cells in culture. Fixed with 4% paraformaldehyde. GAD.1 (green, 1:1000 dilution) immunoreactivity. Phalloidin (F-actin) (red) staining. DAPI (blue) staining. Photomicrograph from Page Balich (Univ. Arizona).



Immunohistochemical staining of inhibitory neurons (red; 1:500) within the hippocampal formation of a transgenic, adult male Black6 mouse brain. The brains were fixed with 4.0% paraformaldehyde. The green staining is low level GFP fluorescence expressed off the actin promoter in this mouse transgenic strain. Secondary antibody (Texas Red goat anti-chicken IgY, (1:500).



Immunocytochemical staining of GAD-67 (red/yellow) in cultured cortical neurons from a neonatal mouse (C57/Black6). GAD staining was detected using Texas Red goat anti-chicken IgY (1:500). MAP2 staining (green) used a rabbit antibody (1:500). Hoda Ilias, Aves Labs.

Product Page URL: www.antibodiesinc.com/products/anti-glutamic-acid-decarboxylase-67-antibody-gad



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