



...Specializing in custom-made chicken antibodies against "difficult" antigens.

PRODUCT SPECIFICATIONS

Product Description:	GAD-67 (Glutamic Acid Decarboxylase, 67 kDa) chicken polyclonal anti-peptide antibody
Catalog Number:	GAD
Antibody Concentrations:	100 ug/ml (based on Bradford assay readings using bovine serum albumin as a standard)
Volume:	Regular vials contain 1000 ul of this antibody mixture; Sampler vials contain 200 ul of this mixture.
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:	Chickens were immunized with a synthetic peptide / keyhole limpet hemocyanin (KLH) conjugate. This synthetic peptide corresponded to a region near the C-terminus 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 ug/ml, and the preparation was filter-sterilized through a 0.45 µm filter.
Quality Control:	This antibody preparation was analyzed by immunohisto-chemistry (at a concentration of 1 ug/ml) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage Conditions:	Store at 4°C in the dark. Under these conditions, the antibody should have a shelf life of at least 12 months (provided they remain sterile). Do not freeze the antibody unless you want to store it for longer periods of time. Note, however, that each time an antibody preparation is frozen, about half its binding activity is lost.
Recommended Dilutions:	1:1000-1:2000 for immunohistochemistry and immunocytochemistry using 2% paraformaldehyde-fixed tissues or cells. 1:2000-1:5000 for western blots. Please note that these dilutions are meant to serve as starting points, and that optimal dilutions may vary.

NOTE: This antibody preparation is meant to be used as research laboratory reagents and is not for diagnostic or therapeutic purposes in humans.

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