Datasheet for ABIN2855214

anti-GAD antibody (N-Term)

7 Images

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Overview

Quantity:	100 µL
Target:	GAD (GAD1)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Free Floating) (IHC (ff)), Immunohistochemistry (Whole Mount) (IHC (wm))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human GAD67. The exact sequence is proprietary.
Isotype:	IgG
Specificity:	This antibody is specific for GAD67 protein, and it does not cross-react with GAD65 protein.
Cross-Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Characteristics:	Rabbit Polyclonal antibody to GAD67 (glutamate decarboxylase 1 (brain, 67 kDa)) GAD67 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	GAD (GAD1)
Alternative Name:	glutamate decarboxylase 1 (GAD1 Products)
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 autoantigen and an autoreactive T cell target in insulin-dependent diabetes. This gene may also play a role in the stiff man syndrome. Deficiency in this enzyme has been shown to lead to pyridoxine dependency with seizures. Alternative splicing of this gene results in two products, the predominant 67-kD form and a less-frequent 25-kD form.
Molecular Weight:	67 kDa
Gene ID:	2571
UniProt:	Q99259

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. IHC-Fr: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: human GAD1-transfected 293T Validation: Overexpression
Restrictions:	For Research Use only

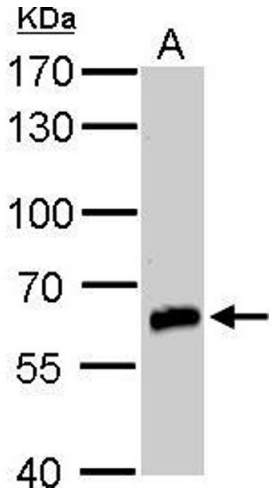
Handling

Format:	Liquid
Concentration:	0.22 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
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

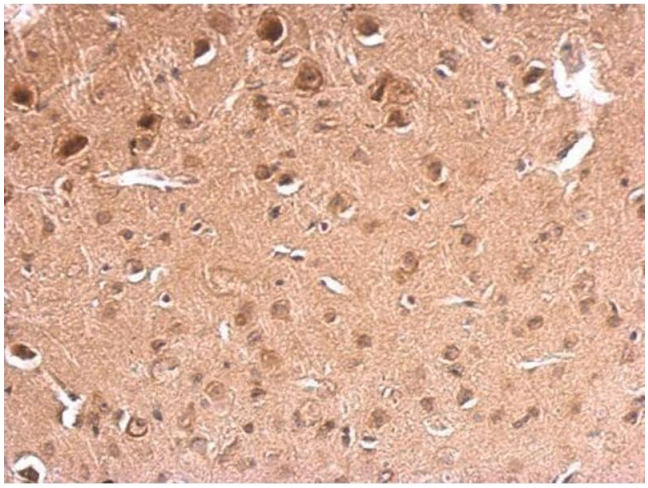
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



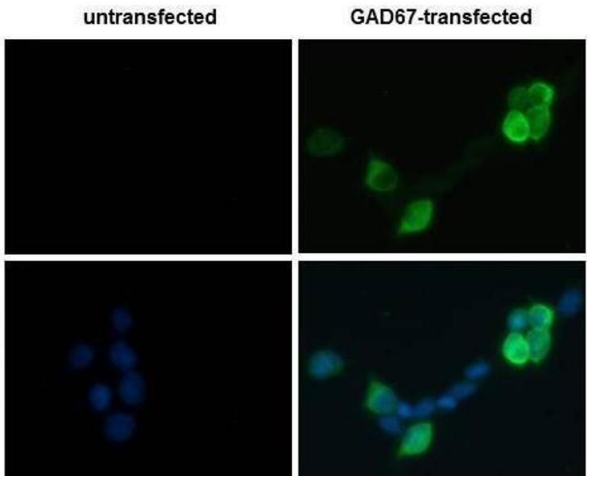
Western Blotting

Image 1. WB Image GAD67 antibody detects GAD67 protein by western blot analysis. A. 50 µg mouse brian lysate/extract 7.5 % SDS-PAGE GAD67 antibody , dilution: 1:500



Immunohistochemistry

Image 2. IHC-P Image GAD67 antibody detects GAD67 protein at on mouse fore brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse fore brain. GAD67 antibody , dilution: 1:500.



Immunofluorescence

Image 3. ICC/IF Image GAD67 antibody detects GAD67 protein by immunofluorescent analysis.

Please check the product details page for more images. Overall 7 images are available for ABIN2855214.