

GAD67 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Rat, Human, Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 5 and 216 of GAD67 (Uniprot ID#Q99259)
Form	Liquid
Concentration	0.22 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11153284

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	2 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunohistochemistry (Frozen) (IHC (F))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

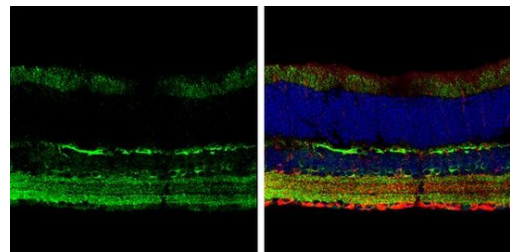
Product Specific Information

Recommended positive controls: SK-N-SH, mouse brain, rat brain, human GAD1-transfected 293T.

Predicted reactivity: Mouse (96%), Rat (96%), Dog (99%), Cat (99%), Pig (99%), Chicken (90%), Chimpanzee (100%), Bovine (98%).

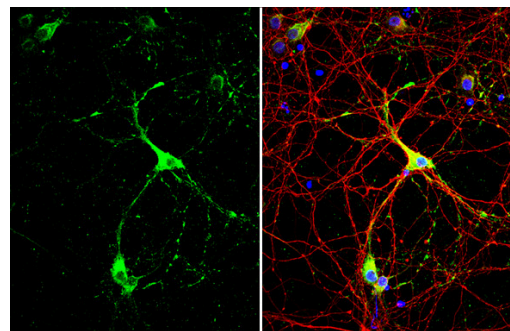
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For GAD67 Polyclonal Antibody



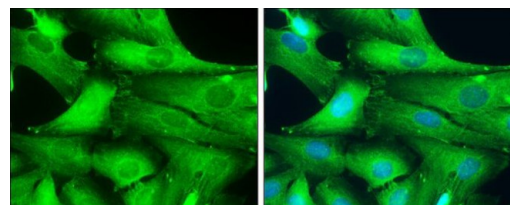
GAD67 Antibody (PA5-21397) in IHC (F)

Immunohistochemistry (Frozen) analysis of GAD67 was performed in frozen sectioned adult mouse retina tissue using GAD67 Polyclonal Antibody (Product # PA5-21397) at a dilution of 1:250 (Green). Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody diluted at 1:250. Blue: Fluoroshield with DAPI.



GAD67 Antibody (PA5-21397) in ICC/IF

GAD67 Polyclonal Antibody detects GAD67 protein by immunofluorescent analysis. Sample: DIV10 rat E18 primary cortical neuron cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: GAD67 stained by GAD67 Polyclonal Antibody (Product # PA5-21397) diluted at 1:500. Red: Tau, stained by Phospho-Tau (Ser262) Polyclonal Antibody [GT287]diluted at 1:500. Blue: Fluoroshield with DAPI .



GAD67 Antibody (PA5-21397) in ICC/IF

Immunocytochemistry-Immunofluorescence analysis of GAD67 was performed in SK-N-SH cells fixed in 4% paraformaldehyde at RT for 15 min. Green: GAD67 Polyclonal Antibody (Product # PA5-21397) diluted at 1:200. Blue: Hoechst 33342 staining.

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Western Blot (2)

<p>Journal of neurochemistry</p> <p>Differential regulation of nucleus accumbens glutamate and GABA in obesity-prone and obesity-resistant rats.</p> <p>"Published figure using GAD67 polyclonal antibody (Product # PA5-21397) in Western Blot"</p> <p>Authors: Vollbrecht PJ,Nesbitt KM,Addis VM,Boulnemour KM,Micheli DA,Smith KB,Sandoval DA,Kennedy RT,Ferrario CR</p>	<p>Year</p> <p>2023</p>
<p>PloS one</p> <p>Overexpression of Glutamate Decarboxylase in Mesenchymal Stem Cells Enhances Their Immunosuppressive Properties and Increases GABA and Nitric Oxide Levels.</p> <p>"Published figure using GAD67 polyclonal antibody (Product # PA5-21397) in Western Blot"</p> <p>Authors: Urrutia M,Fernández S,González M,Vilches R,Rojas P,Vásquez M,Kurte M,Vega-Letter AM,Carrión F, Figueroa F,Rojas P,Irarrázabal C,Fuentealba RA</p>	<p>Year</p> <p>2019</p> <p>Species</p> <p>Human</p> <p>Dilution</p> <p>1:2000</p>

Immunohistochemistry (1)

<p>Developmental cognitive neuroscience</p> <p>Assessment of the acquisition of executive function during the transition from adolescence to adulthood in male and female mice.</p> <p>"PA5-21397 was used in Immunohistochemistry-immunofluorescence to test adolescent and adult male and female mice in a neurocognitive battery of assays."</p> <p>Authors: Shepard R,Beckett E,Coutellier L</p>	<p>Year</p> <p>2017</p> <p>Species</p> <p>Mouse</p> <p>Dilution</p> <p>1:5000</p>
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Immunocytochemistry (1)

<p>Cells</p> <p>Screening Biophysical Sensors and Neurite Outgrowth Actuators in Human Induced-Pluripotent-Stem-Cell-Derived Neurons.</p> <p>"Published figure using GAD67 polyclonal antibody (Product # PA5-21397) in Immunocytochemistry"</p> <p>Authors: Pai VP,Cooper BG,Levin M</p>	<p>Year</p> <p>2022</p>
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Misc (1)

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