

# GAD67 Polyclonal Antibody

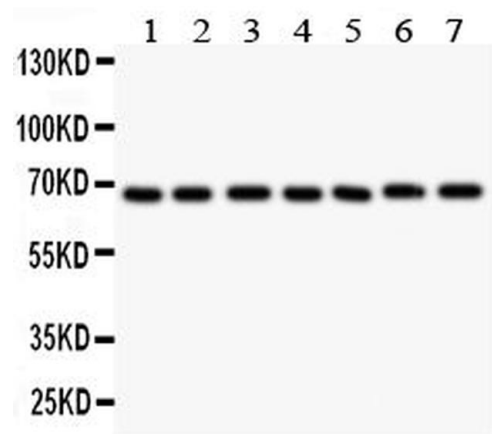
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human GAD67 (529-543aa PQRREKLHKVAPKIK).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 5mg BSA
Contains	0.05mg sodium azide, 0.05mg thimerosal
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2806742

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunocytochemistry (ICC/IF)	0.5-1 µg/mL	-

## Product Specific Information

Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

## Product Images For GAD67 Polyclonal Antibody

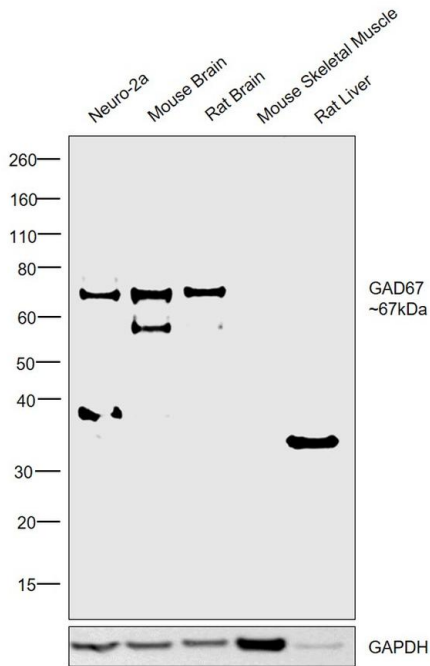


### GAD67 Antibody (PA5-94936) in WB

Western blot analysis of GAD67 in Lane 1: rat brain tissue lysate, Lane 2: rat testis tissue lysate, Lane 3: MCF-7 whole cell lysate, Lane 4: MM231 whole cell lysate, Lane 5: HeLa whole cell lysate, Lane 6: SMMC whole cell lysate, Lane 7: COLO320 whole cell lysate. Electrophoresis was performed with 5-20% SDS-PAGE gel (70V, Stacking gel; 90V Resolving gel, Time: 2-3 hours), transferred to a nitrocellulose membrane and blocked using 5% Non-fat Milk/TBS (1.5 hrs at room temperature). Samples were incubated with GAD67 polyclonal antibody (Product # PA5-94936) using a 0.5 µg/mL dilution, followed by a goat anti-rabbit IgG-HRP at a dilution of 1:10,000, and developed with enhanced chemiluminescence (ECL).

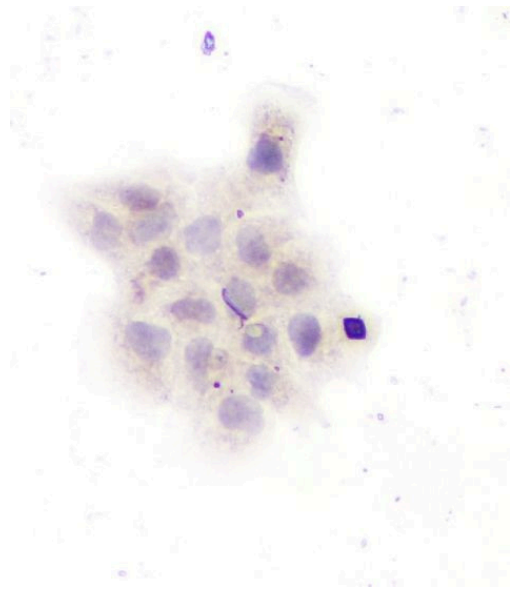
### GAD67 Antibody (PA5-94936) in WB

Western blot was performed using Anti-GAD67 Polyclonal Antibody (Product # PA5-94936) and a 67 kDa band corresponding to GAD67 was observed across all cell lines and tissues tested except Mouse Skeletal Muscle and Rat Liver which are known to be negative. Membrane enriched extracts (30 µg lysate) of Neuro-2a (Lane 1), Mouse Brain (Lane 2), Rat Brain (Lane 3), Mouse Skeletal Muscle (Lane 4) and Rat Liver (Lane 5) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (0.5 µg/mL dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



### GAD67 Antibody (PA5-94936) in ICC/IF

Immunocytochemistry analysis of GAD67 in A431 cells. Antigen retrieval was performed on the tissue using citrate buffer (pH 6, 20 min) and blocked with 10% goat serum. Samples were incubated with GAD67 polyclonal antibody (Product # PA5-94936) at a 3 µg/mL dilution, followed by biotinylated goat anti-rabbit IgG (30 min, 37°C) and developed with Streptavidin-Biotin-Complex/DAB.



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