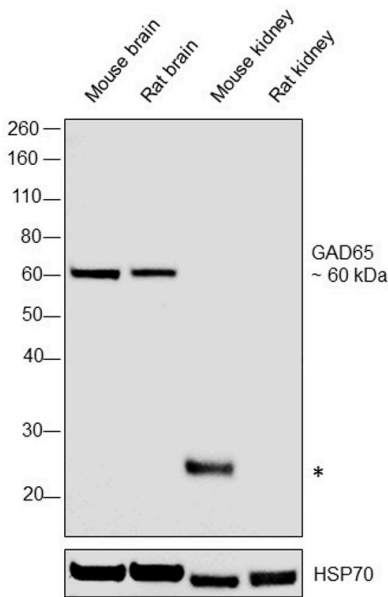


# GAD65 Monoclonal Antibody (ZG002)

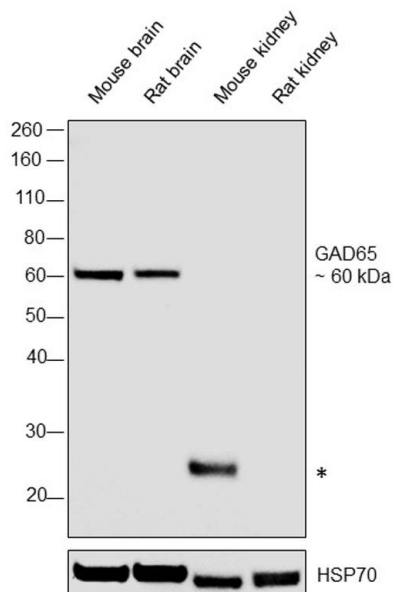
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	ZG002
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to the N-terminal region of the human GAD65 protein
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533436

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5 - 3 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50	-
ELISA (ELISA)	Assay-dependent	-

## Product Images For GAD65 Monoclonal Antibody (ZG002)



**GAD65 Antibody (39-8200)**  
Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue tested owing to their inherent genetic constitution. Relative expression of GAD65 was observed in Mouse brain, Rat brain in comparison to Mouse kidney and Rat kidney using Anti-GAD65 monoclonal antibody (ZG002) (Product # 39-8200) in Western Blot. (<https://doi.org/10.1073/pnas.95.17.10055>). {RE}

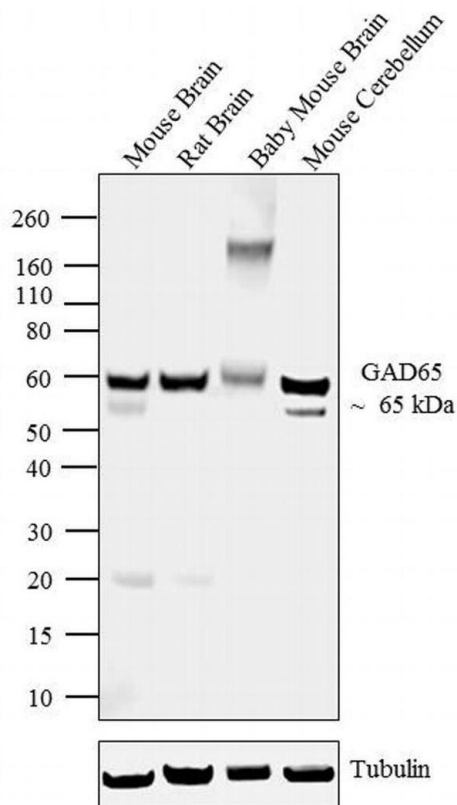


### GAD65 Antibody (39-8200) in WB

Western blot was performed using Anti-GAD65 Monoclonal Antibody (ZG002) (Product # 39-8200) and a 60 kDa band corresponding to GAD65 was observed across tissues tested except Mouse and Rat Kidney which are reported to be negative. An additional band at ~25 kDa (\*) corresponding to Mouse IgG was also observed. Whole cell extracts (30 µg lysate) of Mouse brain (Lane 1), Rat brain (Lane 2), Mouse kidney (Lane 3), and Rat kidney (Lane 4) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blots were probed with the primary antibody (0.5 µg/ml) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

### GAD65 Antibody (39-8200) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of Mouse Brain (Lane 1), Rat Brain (Lane 2), Baby Mouse Brain (lane 3) and Mouse Cerebellum (lane 4). The blots were probed with Anti-GAD65 Mouse Monoclonal Antibody (Product # 39-8200, 1-3 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). A 65 kDa band corresponding to GAD65 was observed across tissues tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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