

# GAD65 Polyclonal Antibody

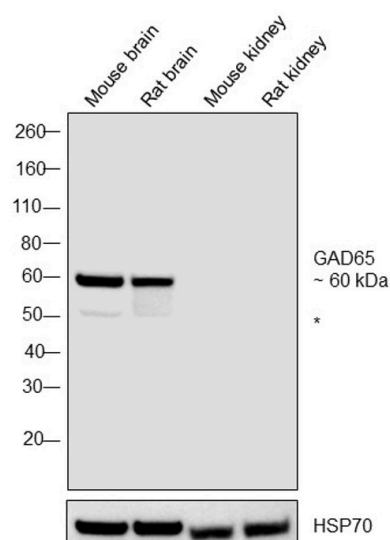
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human GAD65 (131-164aa KVIDFHYPNELLQEYNWELADQPQNLEEILMHCQ).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS with 4mg trehalose
Contains	0.05mg sodium azide
Storage conditions	-20°C
RRID	AB_2746409

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-

## Product Specific Information

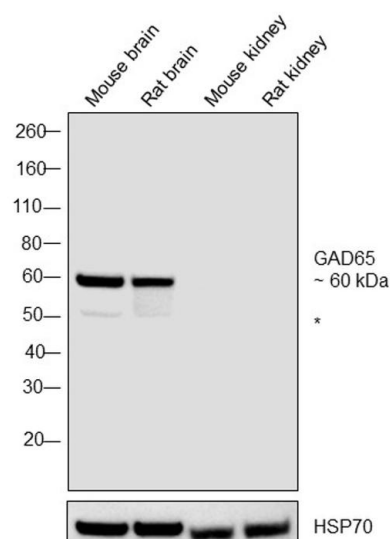
Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

## Product Images For GAD65 Polyclonal Antibody



### GAD65 Antibody (PA5-79293)

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 polyclonal antibody (Product # PA5-79293) in Western Blot. (<https://doi.org/10.1073/pnas.95.17.10055>). {RE}



### GAD65 Antibody (PA5-79293) in WB

Western blot was performed using Anti-GAD65 Polyclonal Antibody, (Product # PA5-79293) and a 60 kDa band corresponding to GAD65 was observed in the tissues tested except Mouse and Rat kidney along with an uncharacterized band (\*) at ~50 kDa. 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 blot was probed with the primary antibody (0.5 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP conjugate (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).



#### GAD65 Antibody (PA5-79293) in WB

Western blot analysis of GAD65 in rat brain extract (lane 1) and mouse brain extract (lane 2). Sample was incubated with GAD65 polyclonal antibody (Product # PA5-79293) at a dilution of 0.5 µg/mL. Signal development was performed using a chemiluminescence (ECL) kit.

[View more figures on thermofisher.com](https://www.thermofisher.com)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.