

Datasheet for ABIN3184725
anti-GAD antibody (C-Term)[Go to Product page](#)**1** Validation

Overview

Quantity:	100 µL
Target:	GAD (GAD1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GAD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Synthesized peptide derived from the C-terminal region of human GAD67.
Isotype:	IgG
Specificity:	GAD67 Polyclonal Antibody detects endogenous levels of GAD67 protein.
Characteristics:	Rabbit Polyclonal to GAD67.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	GAD (GAD1)
Alternative Name:	GAD67 (GAD1 Products)

Target Details

Molecular Weight:	67 kDa
Gene ID:	2571
UniProt:	Q99259

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:100-1:300, ELISA 1:10000,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid in PBS containing 50 % glycerol, 0.5 % BSA and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Store at -20°C.



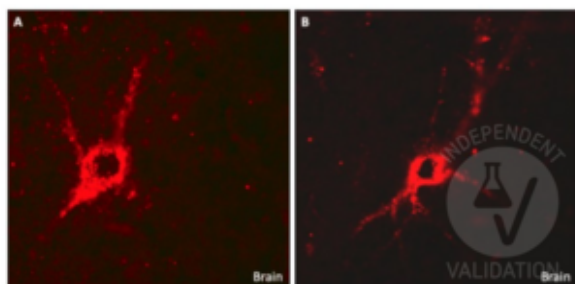
Successfully validated (Immunohistochemistry (IHC))

by [Prof. Merighi, Laboratory of Neurobiology, Department of Veterinary Sciences, University of Turin](#)

Report Number: 103754

Date: Dec 12 2019

Target:	GAD1
Method validated:	Immunohistochemistry (IHC)
Positive Control:	6 µm glass-mounted microtome sections from adult (24 months) mouse brain
Negative Control:	Slices incubated overnight with the blocking solution only and then processed with the secondary antibody
Notes:	Passed. The anti-GAD antibody ABIN3184725 specifically recognized GAD1 at a dilution of 1:200.
Primary Antibody:	ABIN3184725
Secondary Antibody:	goat anti-rabbit AF594-conjugated antibody (Thermo Fisher Scientific, A11029, lot 1942237)
Protocol:	<ul style="list-style-type: none"> • Perfuse mouse with 4% paraformaldehyde in 0.1 M phosphate buffer (PB) pH7.4 and post-fix spinal cord and brain samples in the same fixative for 2 h at RT. • Wash samples in PBS, dehydrate, and embed samples in paraffin wax. • Cut spinal cord and brain samples with a microtome in 6 µm-thick sections and mount sections on glass slides. • After paraffin removal, block sections in PBS containing 1% albumin from chicken egg white (Sigma, A5378) and 0.3% Triton-X-100 (BioRad, 161-0407, lot 00583) 1 h at RT. • Incubate sections with primary rabbit anti-GAD antibody (antibodies-online, ABIN3184725, lot 31965) diluted 1:200 in blocking solution ON at RT. • Wash sections 3x 5 min in 0.01 M PBS. • Incubate sections with secondary goat anti-rabbit AF594-conjugated antibody (Thermo Fisher Scientific, A11029, lot 1942237) diluted 1:200 in PBS for 1 h at RT. • Wash sections 3x 5 min in 0.01 M PBS. • Mount specimens in Fluoroshield (Sigma, F6182, lot MKCB0153V). • Acquire images with Leica DM 6000B fluorescence microscope equipped with a digital camera at 40x magnification. Maintain Parameters for image acquisition (Exposure 2.2 s, Gain 2.3x, Saturation 1.5, Gamma 1.10) unchanged for all images.
Experimental Notes:	Dilutions of 1:50, 1:100, and 1:500 were also tested but 1:200 gave the best results.



**Validation image no. 1 for anti-Glutamate Decarboxylase 1
(Brain, 67kDa) (GAD1) (C-Term) antibody (ABIN3184725)**

A and B. Detection of GAD1+ neurons in the cortex using
ABIN3184725.