

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

Anti-GAD67 Antibody, clone 1G10.2

RRID:AB_2278725

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# MAB5406, RRID:AB_2278725

Antibody Information

URL: http://antibodyregistry.org/AB_2278725

Proper Citation: Sigma-Aldrich Cat# MAB5406, RRID:AB_2278725

Target Antigen: Anti-GAD67 Antibody, clone 1G10.2

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: WB, IHC

Antibody Name: Anti-GAD67 Antibody, clone 1G10.2

Description: This monoclonal targets Anti-GAD67 Antibody, clone 1G10.2

Target Organism: rat, mouse, human

Clone ID: clone 1G10.2

Antibody ID: AB_2278725

Vendor: Sigma-Aldrich

Catalog Number: MAB5406

Record Creation Time: 20250820T023509+0000

Record Last Update: 20250820T135846+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for Anti-GAD67 Antibody, clone 1G10.2.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 273 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Zhu X, et al. (2026) Generating LGE/CGE Organoids from Human Pluripotent Stem Cell-derived Brain Organoids Without External Signal Induction. Cell reports, 45(1), 116780.

Wang Z, et al. (2026) Transcriptional code for circuit integration in the injured brain by transplanted human neurons. Cell stem cell, 33(1), 44.

D'Ignazio L, et al. (2025) A hexamer tandem repeat RNA embedded within an SVA retrotransposon drives R-loop formation and neurodegeneration. Cell reports, 44(7), 115812.

Hou Y, et al. (2025) Amelioration of biased neuronal differentiation in humanized mouse model of valproic acid-induced autism by precisely targeted transcranial magnetic stimulation. Bioengineering & translational medicine, 10(3), e10748.

Huang M, et al. (2025) Stra8 links neuronal activity to inhibitory circuit protection in the adult mouse brain. Cell reports, 44(11), 116513.

Huang Z, et al. (2025) Hippocampal Inhibitory Interneuron-Specific DREADDs Treatment Alters mTORC1-4E-BP Signaling and Impairs Memory Formation. Journal of neurochemistry, 169(3), e70048.

Neves AM, et al. (2025) Exogenous Administration of Delta-9-Tetrahydrocannabinol Affects Adult Hippocampal Neurotransmission in Female Wistar Rats. International journal of molecular sciences, 26(13).

Ito T, et al. (2025) Segregated input to thalamic areas that project differently to core and shell auditory cortical fields. iScience, 28(2), 111721.

Teng SW, et al. (2025) Coordinated excitatory and inhibitory circuits governing unpredictable threat-induced anxiety. Cell reports, 44(1), 115146.

Zobel M, et al. (2025) A human CAGinSTEM platform for decoding HTT repeats' somatic instability links CAG interruption to HD pathology in neurons. *Cell reports*, 44(12), 116685.

He Z, et al. (2025) Plasticity of synapses innervating spinal motor neurons after spinal cord injury in rhesus monkeys. *Journal of neuropathology and experimental neurology*.

Ho C, et al. (2025) CXCL12 Engages Cortical Inhibitory Neurons to Enhance Dendritic Spine Plasticity and Structured Network Activity. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(24).

Jahncke JN, et al. (2025) Distinct functional domains of Dystroglycan regulate inhibitory synapse formation and maintenance in cerebellar Purkinje cells. *Communications biology*, 8(1), 878.

Merkulyeva N, et al. (2025) Neurons expressing calretinin in the developing feline dorsal lateral geniculate nucleus. *Anatomical record (Hoboken, N.J. : 2007)*.

Tenreiro MF, et al. (2025) MeCP2 regulates telencephalic development in human cerebral organoids. *Cell reports*, 44(12), 116670.

Zhou W, et al. (2025) Specific neuroblast-derived signals control both cell migration and fate in the rostral migratory stream. *bioRxiv : the preprint server for biology*.

Alhesain M, et al. (2025) Development of the early fetal human thalamus: from a protomap to emergent thalamic nuclei. *Frontiers in neuroanatomy*, 19, 1530236.

Fernández Del Campo IS, et al. (2025) Anodal direct current stimulation of the auditory cortex at the onset of presbycusis delays cortical aging. *Brain structure & function*, 230(4), 56.

Scuderi S, et al. (2025) Specification of human brain regions with orthogonal gradients of WNT and SHH in organoids reveals patterning variations across cell lines. *Cell stem cell*, 32(6), 970.

Wang Q, et al. (2025) Unraveling the PVNGlu-PrLGlu circuit: A new frontier in chronic pain management for lumbar disc herniation. *Molecular pain*, 21, 17448069251342984.