

Resource Summary Report

Generated by [RRID](#) on Aug 12, 2026

Anti-Glutamate antibody produced in rabbit

RRID:AB_259946

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# G6642, RRID:AB_259946

Antibody Information

URL: http://antibodyregistry.org/AB_259946

Proper Citation: Sigma-Aldrich Cat# G6642, RRID:AB_259946

Target Antigen: Glutamate antibody produced in rabbit

Host Organism: rabbit

Clonality: polyclonal

Comments: Vendor recommendations: Other; Western Blot; dot blot: 1:10,000

Antibody Name: Anti-Glutamate antibody produced in rabbit

Description: This polyclonal targets Glutamate antibody produced in rabbit

Target Organism: feline, drosophilaarthropod, rat, hamster, xenopusamphibian, porcine, donkey, canine, goat, reptile, amoebaprotzoa, horse, mouse, chickenbird, mollusc, rabbit, plant, bovine, human, sheep, bacteriaarchaea

Defining Citation: [PMID:17048230](#), [PMID:21452205](#), [PMID:19760739](#), [PMID:17436309](#)

Antibody ID: AB_259946

Vendor: Sigma-Aldrich

Catalog Number: G6642

Record Creation Time: 20250820T033448+0000

Record Last Update: 20250820T163735+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Glutamate antibody produced in rabbit.

No alerts have been found for Anti-Glutamate antibody produced in rabbit.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 40 mentions in open access literature.

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

Zhang M, et al. (2026) Green light relieves stress-induced anxiety-like behaviors via visual-to-prefrontal projections in mice. Cell reports, 45(6), 117426.

Tang HD, et al. (2026) Distinct supraspinal neural pathways underlie licking-induced alleviation of pain sensation and aversion in male mice. Cell reports, 45(5), 117363.

Wang Z, et al. (2026) Skin-innervating glutamatergic neurons modulate aging. Cell.

Jia SM, et al. (2026) A Glutamatergic Medial Prefrontal Cortex-Locus Coeruleus Circuit Drives Intestinal Dysmotility in Diarrhea-Predominant Irritable Bowel Syndrome. International journal of molecular sciences, 27(2).

Cai S, et al. (2026) Hypothalamic thermoregulatory neurons divergently modulate isoflurane anesthesia via temperature dependent and independent mechanisms. iScience, 29(5), 115542.

Wei J, et al. (2026) A central amygdala-locus coeruleus pathway mediating pain under chronic stress. Cell reports, 45(7), 117570.

Zhang L, et al. (2026) Genetically encoded fluorescent reporters to visualize α -synuclein pathology in live brain. Cell, 189(7), 2108.

Wang F, et al. (2025) A sensory-motor-sensory circuit underlies antinociception ignited by primary motor cortex in mice. Neuron, 113(12), 1947.

Liu S, et al. (2025) Neural basis of transcutaneous electrical nerve stimulation for neuropathic pain relief. Neuron.

Zhang F, et al. (2025) Electroacupuncture suppresses premature ventricular complexes occurring post-myocardial infarction through corticothalamic circuit. Cell reports, 45(1), 116734.

Wang X, et al. (2025) The lateral habenula contributes to regulation of body temperature. iScience, 28(7), 112923.

Huang X, et al. (2025) Multisensory integration in the mouse ventral visual thalamus mediates stress coping via locus coeruleus-related circuits. *Neuron*.

Cheng R, et al. (2025) Nasal respiration modulates pain perception via the olfactory Bulb-Anterior cingulate cortex circuit. *iScience*, 28(11), 113766.

Liu D, et al. (2025) Orexinergic lateral hypothalamus-anterior cingulate cortex circuit alleviates chronic stress-induced anxiety-like behaviors. *Current biology : CB*, 35(24), 6038.

Mao Y, et al. (2025) Cross-modal cortical circuit for sound sensitivity in neuropathic pain. *Current biology : CB*, 35(4), 831.

Chen J, et al. (2025) Distinct Roles of Astrocytes and GABAergic Neurons in the Paraventricular Thalamic Nucleus in Modulating Diabetic Neuropathic Pain. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(8).

Li D, et al. (2025) The paraventricular thalamus mediates visceral pain and anxiety-like behaviors via two distinct pathways. *Neuron*, 113(14), 2310.

Lou Q, et al. (2024) A noradrenergic pathway for the induction of pain by sleep loss. *Current biology : CB*, 34(12), 2644.

Liu D, et al. (2024) An Ascending Excitatory Circuit from the Dorsal Raphe for Sensory Modulation of Pain. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(4).

Beauséjour PA, et al. (2024) Olfactory Projections to Locomotor Control Centers in the Sea Lamprey. *International journal of molecular sciences*, 25(17).