

Resource Summary Report

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

Rabbit Anti-Glutamate Antibody, Unconjugated

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

Host Organism: rabbit

Clonality: unknown

Comments: Vendor recommendations: Western Blot; Dot blot

Antibody Name: Rabbit Anti-Glutamate Antibody, Unconjugated

Description: This unknown targets Glutamate

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

Antibody ID: AB_259946

Vendor: Sigma-Aldrich

Catalog Number: G6642

Record Creation Time: 20250820T030504+0000

Record Last Update: 20250820T151806+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Glutamate Antibody, Unconjugated.

No alerts have been found for Rabbit Anti-Glutamate Antibody, Unconjugated.

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.

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

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

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

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.

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).

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

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