

Resource Summary Report

Generated by [dkNET](#) on Aug 25, 2026

GABA(A) receptor subunit a2SE

RRID:Addgene_49169

Type: Plasmid

Proper Citation

RRID:Addgene_49169

Plasmid Information

URL: <http://www.addgene.org/49169>

Proper Citation: RRID:Addgene_49169

Insert Name: GABA(A) receptor subunit alpha-2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18256255](#)

Vector Backbone Description: Backbone Marker:BD PharMingen ; Backbone Size:5084;
Vector Backbone:modified pRK5; Vector Types:Mammalian Expression; Bacterial
Resistance:Ampicillin

Plasmid Name: GABA(A) receptor subunit a2SE

Relevant Mutation: T343A

Record Creation Time: 20220422T222253+0000

Record Last Update: 20260815T081558+0000

Ratings and Alerts

No rating or validation information has been found for GABA(A) receptor subunit a2SE.

No alerts have been found for GABA(A) receptor subunit a2SE.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Olah SS, et al. (2023) Acute reorganization of postsynaptic GABAA receptors reveals the functional impact of molecular nanoarchitecture at inhibitory synapses. Cell reports, 42(11), 113331.

Schmerl B, et al. (2022) The synaptic scaffold protein MPP2 interacts with GABAA receptors at the periphery of the postsynaptic density of glutamatergic synapses. PLoS biology, 20(3), e3001503.

Helmerich DA, et al. (2022) Photoswitching fingerprint analysis bypasses the 10-nm resolution barrier. Nature methods, 19(8), 986.

Kuhlemann A, et al. (2021) Genetic Code Expansion and Click-Chemistry Labeling to Visualize GABA-A Receptors by Super-Resolution Microscopy. Frontiers in synaptic neuroscience, 13, 727406.

Bai G, et al. (2021) Gephyrin-mediated formation of inhibitory postsynaptic density sheet via phase separation. Cell research, 31(3), 312.

Balan I, et al. (2018) The GABAA Receptor $\gamma 2$ Subunit Activates a Neuronal TLR4 Signal in the Ventral Tegmental Area that Regulates Alcohol and Nicotine Abuse. Brain sciences, 8(4).

Balan I, et al. (2018) Innately activated TLR4 signal in the nucleus accumbens is sustained by CRF amplification loop and regulates impulsivity. Brain, behavior, and immunity, 69, 139.

Dixon CL, et al. (2017) $\gamma 1$ -Containing GABA-A Receptors Cluster at Synapses Where they Mediate Slower Synaptic Currents than $\gamma 2$ -Containing GABA-A Receptors. Frontiers in molecular neuroscience, 10, 178.