Resource Summary Report

Generated by dkNET on Sep 1, 2026

EAAT1 (D44E2) XP Rabbit mAb

RRID:AB_10695722
Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 5684, RRID:AB_10695722

Antibody Information

URL: http://antibodyregistry.org/AB_10695722

Proper Citation: Cell Signaling Technology Cat# 5684, RRID:AB_10695722

Target Antigen: EAAT1 (D44E2) XP Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IF-F. Consolidation on 11/2018: AB_10693318, AB_10695722.
Info: 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

Antibody Name: EAAT1 (D44E2) XP Rabbit mAb

Description: This monoclonal targets EAAT1 (D44E2) XP Rabbit mAb

Target Organism: rat, h, m, mouse, r, human

Antibody ID: AB_10695722

Vendor: Cell Signaling Technology

Catalog Number: 5684

Record Creation Time: 20250820T010415+0000

Record Last Update: 20250820T095700+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 EAAT1 (D44E2) XP Rabbit mAb.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

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

Talty CE, et al. (2026) Chronic dynamic behavioral changes and upregulation of glutamatergic signaling proteins following traumatic brain injury in females. Brain research, 1873, 150115.

Markou A, et al. (2024) Mechanisms of aquaporin-4 vesicular trafficking in mammalian cells. Journal of neurochemistry, 168(2), 100.

Zeljkovic Jovanovic M, et al. (2023) Intermittent Theta Burst Stimulation Improves Motor and Behavioral Dysfunction through Modulation of NMDA Receptor Subunit Composition in Experimental Model of Parkinson's Disease. Cells, 12(11).

Fiore A, et al. (2022) Kynurenine importation by SLC7A11 propagates anti-ferroptotic signaling. Molecular cell, 82(5), 920.

Roll L, et al. (2022) Cerebral Organoids Maintain the Expression of Neural Stem Cell-Associated Glycoepitopes and Extracellular Matrix. Cells, 11(5).

Li Puma DD, et al. (2022) Extracellular tau oligomers affect extracellular glutamate handling by astrocytes through downregulation of GLT-1 expression and impairment of NKA1A2 function. Neuropathology and applied neurobiology, 48(5), e12811.

Ren YZ, et al. (2020) Resolvin D1 ameliorates cognitive impairment following traumatic brain injury via protecting astrocytic mitochondria. Journal of neurochemistry, 154(5), 530.

McCauley JP, et al. (2020) Circadian Modulation of Neurons and Astrocytes Controls Synaptic Plasticity in Hippocampal Area CA1. Cell reports, 33(2), 108255.

Bres EE, et al. (2020) Lipoprotein receptor loss in forebrain radial glia results in neurological deficits and severe seizures. Glia, 68(12), 2517.

Cooke A, et al. (2019) The RNA-Binding Protein YBX3 Controls Amino Acid Levels by Regulating SLC mRNA Abundance. Cell reports, 27(11), 3097.

Bellini S, et al. (2018) Neuronal Glutamate Transporters Control Dopaminergic Signaling and Compulsive Behaviors. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(4), 937.