

Resource Summary Report

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VGLUT1 Polyclonal Antibody

RRID:AB_2533843

Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# 48-2400, RRID:AB_2533843)

Antibody Information

URL: http://antibodyregistry.org/AB_2533843

Proper Citation: (Thermo Fisher Scientific Cat# 48-2400, RRID:AB_2533843)

Target Antigen: VGLUT1

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: ICC/IF (1:1,000), WB (1-3 µg/mL), IHC (2-3 µg/mL)

Antibody Name: VGLUT1 Polyclonal Antibody

Description: This polyclonal targets VGLUT1

Target Organism: rat, mouse, human

Defining Citation: [PMID:25126480](#), [PMID:25057190](#), [PMID:25686750](#)

Antibody ID: AB_2533843

Vendor: Thermo Fisher Scientific

Catalog Number: 48-2400

Record Creation Time: 20241130T060510+0000

Record Last Update: 20250416T100632+0000

Ratings and Alerts

No rating or validation information has been found for VGLUT1 Polyclonal Antibody.

No alerts have been found for VGLUT1 Polyclonal Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Li D, et al. (2024) Aging-induced tRNAGlu-derived fragment impairs glutamate biosynthesis by targeting mitochondrial translation-dependent cristae organization. Cell metabolism.

Pediaditakis I, et al. (2022) A microengineered Brain-Chip to model neuroinflammation in humans. iScience, 25(8), 104813.

Rowe AA, et al. (2022) Long-term progression of retinal degeneration in a preclinical model of CLN7 Batten disease as a baseline for testing clinical therapeutics. EBioMedicine, 85, 104314.

Hwang JY, et al. (2022) CPEB3-dependent increase in GluA2 subunits impairs excitatory transmission onto inhibitory interneurons in a mouse model of fragile X. Cell reports, 39(10), 110853.

Francescone R, et al. (2021) Netrin G1 Promotes Pancreatic Tumorigenesis through Cancer-Associated Fibroblast-Driven Nutritional Support and Immunosuppression. Cancer discovery, 11(2), 446.

Nguyen AQ, et al. (2020) Astrocytic Ephrin-B1 Controls Synapse Formation in the Hippocampus During Learning and Memory. Frontiers in synaptic neuroscience, 12, 10.

Nguyen AQ, et al. (2020) Astrocytic Ephrin-B1 Controls Excitatory-Inhibitory Balance in Developing Hippocampus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(36), 6854.

Schrode KM, et al. (2018) Central Compensation in Auditory Brainstem after Damaging Noise Exposure. eNeuro, 5(4).

Koeppen J, et al. (2018) Functional Consequences of Synapse Remodeling Following Astrocyte-Specific Regulation of Ephrin-B1 in the Adult Hippocampus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(25), 5710.

Papadimitriou C, et al. (2018) 3D Culture Method for Alzheimer's Disease Modeling Reveals

Interleukin-4 Rescues A β 42-Induced Loss of Human Neural Stem Cell Plasticity.
Developmental cell, 46(1), 85.

Sidhu H, et al. (2014) Genetic removal of matrix metalloproteinase 9 rescues the symptoms of fragile X syndrome in a mouse model. The Journal of neuroscience : the official journal of the Society for Neuroscience, 34(30), 9867.