Resource Summary Report

Generated by ASWG on Aug 9, 2026

Anti-Homer 1

RRID:AB_10549720
Type: Antibody

Proper Citation

Synaptic Systems Cat# 160 004, RRID:AB_10549720

Antibody Information

URL: http://antibodyregistry.org/AB_10549720

Proper Citation: Synaptic Systems Cat# 160 004, RRID:AB_10549720

Target Antigen: Homer 1

Host Organism: guinea pig

Clonality: polyclonal

Comments: Applications: WB,IP,ICC,IHC,IHC-P

Antibody Name: Anti-Homer 1

Description: This polyclonal targets Homer 1

Target Organism: Human, Rat, Mouse

Antibody ID: AB_10549720

Vendor: Synaptic Systems

Catalog Number: 160 004

Record Creation Time: 20250819T232806+0000

Record Last Update: 20250820T052554+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Homer 1.

No alerts have been found for Anti-Homer 1.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Ellingford R, et al. (2026) Alzheimer's disease pathology degrades an NMDA receptor-dependent spontaneous activity pattern in cortico-hippocampal circuits. Neuron, 114(13), 2386.

Qu T, et al. (2025) The effects of amyloidosis and aging on glutamatergic and GABAergic synapses, and interneurons in the barrel cortex and non-neocortical brain regions. Frontiers in neuroanatomy, 19, 1526962.

Camus C, et al. (2025) Synaptic pruning following NMDAR-dependent LTD preferentially affects isolated synapses. iScience, 28(10), 113093.

Xie Y, et al. (2025) Activity-dependent synthesis of Emerin gates neuronal plasticity by regulating proteostasis. Cell reports, 44(4), 115439.

Davis OC, et al. (2025) Glutamatergic and GABAergic Synapses in the Human Spinal Dorsal Horn Revealed With Immunohistochemistry. The Journal of comparative neurology, 533(10), e70091.

Chen KH, et al. (2025) Loss of the proton-activated chloride channel in neurons impairs AMPA receptor endocytosis and LTD via endosomal hyper-acidification. Cell reports, 44(2), 115302.

Koumoundourou A, et al. (2024) Regulation of hippocampal mossy fiber-CA3 synapse function by a Bcl11b/C1ql2/Nrxn3(25b+) pathway. eLife, 12.

Ji Y, et al. (2024) EHBP1 Is Critically Involved in the Dendritic Arbor Formation and Is Coupled to Factors Promoting Actin Filament Formation. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(6).

Cangalaya C, et al. (2023) Real-time mechanisms of exacerbated synaptic remodeling by microglia in acute models of systemic inflammation and tauopathy. Brain, behavior, and immunity, 110, 245.

Gross I, et al. (2022) Plasticity-Related Gene 5 Is Expressed in a Late Phase of Neurodifferentiation After Neuronal Cell-Fate Determination. Frontiers in cellular neuroscience, 16, 797588.

Yeo SH, et al. (2021) Morphological assessment of GABA and glutamate inputs to GnRH neurons in intact female mice using expansion microscopy. Journal of neuroendocrinology, 33(9), e13021.

Fernandes G, et al. (2021) Correction of amygdalar dysfunction in a rat model of fragile X syndrome. Cell reports, 37(2), 109805.

Andoh M, et al. (2019) Exercise Reverses Behavioral and Synaptic Abnormalities after Maternal Inflammation. Cell reports, 27(10), 2817.

Hoffmann S, et al. (2019) Light-Activated ROS Production Induces Synaptic Autophagy. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(12), 2163.

Meijer M, et al. (2019) A Single-Cell Model for Synaptic Transmission and Plasticity in Human iPSC-Derived Neurons. Cell reports, 27(7), 2199.

Brouwer M, et al. (2019) SALM1 controls synapse development by promoting F-actin/PIP2-dependent Neurexin clustering. The EMBO journal, 38(17), e101289.

Brockmann MM, et al. (2019) RIM-BP2 primes synaptic vesicles via recruitment of Munc13-1 at hippocampal mossy fiber synapses. eLife, 8.

McGann JC, et al. (2018) Neuronal activity induces glutathione metabolism gene expression in astrocytes. Glia, 66(9), 2024.

Haselmann H, et al. (2018) Human Autoantibodies against the AMPA Receptor Subunit GluA2 Induce Receptor Reorganization and Memory Dysfunction. Neuron, 100(1), 91.

Ferreira JS, et al. (2017) Co-agonists differentially tune GluN2B-NMDA receptor trafficking at hippocampal synapses. eLife, 6.