

# Resource Summary Report

Generated by [kravitz2](#) on Aug 29, 2026

## Anti-Homer 1

RRID:AB\_10549720

Type: Antibody

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### Proper Citation

Synaptic Systems Cat# 160 004, RRID:AB\_10549720

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_10549720](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

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### 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 [kravitz2](#) .

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.