

# Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

## Anti-Homer1

RRID:AB\_2631222

Type: Antibody

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### Proper Citation

Synaptic Systems Cat# 160 006, RRID:AB\_2631222

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2631222](http://antibodyregistry.org/AB_2631222)

**Proper Citation:** Synaptic Systems Cat# 160 006, RRID:AB\_2631222

**Target Antigen:** Homer 1

**Host Organism:** chicken

**Clonality:** polyclonal

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

**Antibody Name:** Anti-Homer1

**Description:** This polyclonal targets Homer 1

**Target Organism:** Human, Rat, Mouse

**Antibody ID:** AB\_2631222

**Vendor:** Synaptic Systems

**Catalog Number:** 160 006

**Record Creation Time:** 20231110T034734+0000

**Record Last Update:** 20260829T133003+0000

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### Ratings and Alerts

No rating or validation information has been found for Anti-Homer1.

No alerts have been found for Anti-Homer1.

## Data and Source Information

**Source:** [Antibody Registry](#)

## Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Padmanabhan N, et al. (2026) Neurexin-1? drives synaptic transmission through structural integration of neurotransmitter release machinery and postsynaptic receptor nanodomains. *Neuron*.

Ohm M, et al. (2026) Targeting neuroinflammation: itaconate and mesaconate as therapeutic strategies against H7N7 influenza-associated CNS damage. *Frontiers in immunology*, 17, 1776302.

Gcwensa NZ, et al. (2026) Protocol to study synapse density or volume-SynDOVE-in brain using confocal microscopy and Imaris three-dimensional surface rendering software. *STAR protocols*, 7(2), 104465.

Krishnapriya , et al. (2025) Gut dysbiosis leads to cognitive decline through CNTF-mediated activation of microglia in mice. *BMC biology*, 23(1), 355.

Pereyra G, et al. (2025) SFRP1 upregulation causes hippocampal synaptic dysfunction and memory impairment. *Cell reports*, 44(4), 115535.

Papanikolaou A, et al. (2025) Selectively vulnerable deep cortical layer 5/6 fast-spiking interneurons in Alzheimer's disease models in vivo. *Neuron*, 113(14), 2265.

Brzozowski CF, et al. (2025) Early ?-synuclein aggregation decreases corticostriatal glutamate drive and synapse density. *Neurobiology of disease*, 210, 106918.

Gcwensa NZ, et al. (2024) Excitatory synaptic structural abnormalities produced by templated aggregation of ?-syn in the basolateral amygdala. *Neurobiology of disease*, 199, 106595.

Wickel J, et al. (2024) Repopulated microglia after pharmacological depletion decrease dendritic spine density in adult mouse brain. *Glia*, 72(8), 1484.

Oestreicher D, et al. (2024) CaBP1 and 2 enable sustained CaV1.3 calcium currents and synaptic transmission in inner hair cells. *eLife*, 13.

Hahn N, et al. (2023) Protecting RNA quality for spatial transcriptomics while improving immunofluorescent staining quality. *Frontiers in neuroscience*, 17, 1198154.

Mahoney-Crane CL, et al. (2023) Neuronopathic GBA1L444P Mutation Accelerates Glucosylsphingosine Levels and Formation of Hippocampal Alpha-Synuclein Inclusions. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(3), 501.

Mesías RE, et al. (2023) Development and cadherin-mediated control of prefrontal corticostriatal projections in mice. *iScience*, 26(10), 108002.

Demuth L, et al. (2023) Influenza vaccine is able to prevent neuroinflammation triggered by H7N7 IAV infection. *Frontiers in pharmacology*, 14, 1142639.

Aryal S, et al. (2023) Deep proteomics identifies shared molecular pathway alterations in synapses of patients with schizophrenia and bipolar disorder and mouse model. *Cell reports*, 42(5), 112497.

Mein N, et al. (2023) Low-dose PLX5622 treatment prevents neuroinflammatory and neurocognitive sequelae after sepsis. *Journal of neuroinflammation*, 20(1), 289.

Pronot M, et al. (2022) Bidirectional regulation of synaptic SUMOylation by Group 1 metabotropic glutamate receptors. *Cellular and molecular life sciences : CMLS*, 79(7), 378.

Brzozowski CF, et al. (2021) Inhibition of LRRK2 kinase activity promotes anterograde axonal transport and presynaptic targeting of  $\alpha$ -synuclein. *Acta neuropathologica communications*, 9(1), 180.

Eysert F, et al. (2021) Alzheimer's genetic risk factor FERMT2 (Kindlin-2) controls axonal growth and synaptic plasticity in an APP-dependent manner. *Molecular psychiatry*, 26(10), 5592.

Holderith N, et al. (2020) A High-Resolution Method for Quantitative Molecular Analysis of Functionally Characterized Individual Synapses. *Cell reports*, 32(4), 107968.