

# Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

## Arc (C-7)

RRID:AB\_626696

Type: Antibody

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### Proper Citation

Santa Cruz Biotechnology Cat# sc-17839, RRID:AB\_626696

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_626696](http://antibodyregistry.org/AB_626696)

**Proper Citation:** Santa Cruz Biotechnology Cat# sc-17839, RRID:AB\_626696

**Target Antigen:** ARC

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** validation status unknown check with seller; recommendations: ELISA; Immunofluorescence; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, ELISA

**Antibody Name:** Arc (C-7)

**Description:** This monoclonal targets ARC

**Target Organism:** rat, mouse, human

**Clone ID:** C-7

**Antibody ID:** AB\_626696

**Vendor:** Santa Cruz Biotechnology

**Catalog Number:** sc-17839

**Record Creation Time:** 20231110T043818+0000

**Record Last Update:** 20260829T040311+0000

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### Ratings and Alerts

No rating or validation information has been found for Arc (C-7).

No alerts have been found for Arc (C-7).

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Tyagi M, et al. (2026) Arc mediates intercellular tau transmission via extracellular vesicles. *Cell*, 189(15), 4706.

Kang M, et al. (2025) Cd99l2 regulates excitatory synapse development and restrains immediate-early gene activation. *Cell reports*, 44(1), 115155.

Willems TS, et al. (2025) GluA1-containing AMPA receptors are necessary for sparse memory engram formation. *Neurobiology of learning and memory*, 218, 108031.

Kanhema T, et al. (2025) ARC/ARG3.1 binds the nuclear polyadenylate-binding protein RRM and regulates neuronal activity-dependent formation of nuclear speckles. *Cell reports*, 44(4), 115525.

Nasir F, et al. (2025) NaHS alters synaptic plasticity proteins and enhances dendritic arborization to improve cognitive and motor deficits after traumatic brain injury in mice. *British journal of pharmacology*, 182(5), 1183.

Stevenson ME, et al. (2023) Neuronal activation of G $\alpha$ q EGL-30/GNAQ late in life rejuvenates cognition across species. *Cell reports*, 42(9), 113151.

Mergiya TF, et al. (2023) Detection of Arc/Arg3.1 oligomers in rat brain: constitutive and synaptic activity-evoked dimer expression in vivo. *Frontiers in molecular neuroscience*, 16, 1142361.

Chaves YC, et al. (2023) Cannabidiol modulates contextual fear memory consolidation in animals with experimentally induced type-1 diabetes mellitus. *Acta neuropsychiatrica*, 1.

Lawson K, et al. (2022) Adolescence alcohol exposure impairs fear extinction and alters medial prefrontal cortex plasticity. *Neuropharmacology*, 211, 109048.

Ishizuka Y, et al. (2022) Development and Validation of Arc Nanobodies: New Tools for Probing Arc Dynamics and Function. *Neurochemical research*, 47(9), 2656.

Corbett BF, et al. (2022) Arc-Mediated Plasticity in the Paraventricular Thalamic Nucleus Promotes Habituation to Stress. *Biological psychiatry*, 92(2), 116.

Higginbotham JA, et al. (2021) CB1 Receptor Signaling Modulates Amygdalar Plasticity during Context-Cocaine Memory Reconsolidation to Promote Subsequent Cocaine Seeking. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(4), 613.

Gatto G, et al. (2021) A Functional Topographic Map for Spinal Sensorimotor Reflexes. *Neuron*, 109(1), 91.

Conde-Dusman MJ, et al. (2021) Control of protein synthesis and memory by GluN3A-NMDA receptors through inhibition of GIT1/mTORC1 assembly. *eLife*, 10.

Jiang Y, et al. (2021) Selective increase of correlated activity in Arc-positive neurons after chemically induced long-term potentiation in cultured hippocampal neurons. *eNeuro*, 8(6).

Cao H, et al. (2020) Retinoid X Receptor ? Regulates DHA-Dependent Spinogenesis and Functional Synapse Formation In Vivo. *Cell reports*, 31(7), 107649.

Raymundi AM, et al. (2020) A time-dependent contribution of hippocampal CB1 , CB2 and PPAR $\gamma$  receptors to cannabidiol-induced disruption of fear memory consolidation. *British journal of pharmacology*, 177(4), 945.

Ishizuka Y, et al. (2020) A simple DMSO-based method for cryopreservation of primary hippocampal and cortical neurons. *Journal of neuroscience methods*, 333, 108578.

Sanna F, et al. (2020) Altered Sexual Behavior in Dopamine Transporter (DAT) Knockout Male Rats: A Behavioral, Neurochemical and Intracerebral Microdialysis Study. *Frontiers in behavioral neuroscience*, 14, 58.

Fukaya M, et al. (2020) BRAG2a Mediates mGluR-Dependent AMPA Receptor Internalization at Excitatory Postsynapses through the Interaction with PSD-95 and Endophilin 3. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(22), 4277.