

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

Monoclonal Anti-S-100 (beta-Subunit) antibody produced in mouse

RRID:AB_477499

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# S2532, RRID:AB_477499

Antibody Information

URL: http://antibodyregistry.org/AB_477499

Proper Citation: Sigma-Aldrich Cat# S2532, RRID:AB_477499

Target Antigen: S-100 (beta-Subunit)

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: dot blot, immunohistochemistry (formalin-fixed, paraffin-embedded sections), indirect ELISA, microarray, radioimmunoassay

Antibody Name: Monoclonal Anti-S-100 (beta-Subunit) antibody produced in mouse

Description: This monoclonal targets S-100 (beta-Subunit)

Target Organism: feline, rat, canine, goat, pig, rabbit, bovine, human, sheep

Defining Citation: [PMID:21192078](#), [PMID:19296476](#), [PMID:17436285](#), [PMID:17348003](#), [PMID:19058188](#), [PMID:19399899](#), [PMID:20589908](#), [PMID:20653035](#), [PMID:21165980](#)

Antibody ID: AB_477499

Vendor: Sigma-Aldrich

Catalog Number: S2532

Record Creation Time: 20231110T081521+0000

Record Last Update: 20260829T213722+0000

Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-S-100 (beta-Subunit) antibody produced in mouse.

No alerts have been found for Monoclonal Anti-S-100 (beta-Subunit) antibody produced in mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 124 mentions in open access literature.

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

Kim S, et al. (2026) Bazedoxifene reverses sexually dimorphic autistic-like abnormalities in biallelic MDGA1-mutant mice. EMBO molecular medicine, 18(4), 1358.

Vizuite AFK, et al. (2026) Early Effects of Poly(I:C)-induced Neuroinflammation on Hippocampal Astrocyte Function and Glycolytic Metabolism. Journal of neurochemistry, 170(4), e70434.

Inglebert Y, et al. (2026) The calcium-binding protein S100 β regulates synaptic plasticity in the visual cortex. iScience, 29(5), 115793.

Rey A, et al. (2026) An optimized method to visualize lipid droplets in mouse brain tissue. Cell reports methods, 6(6), 101455.

Séjourné G, et al. (2026) β -catenin controls layer-specific transcriptional maturation of astrocytes via Zbtb20. bioRxiv : the preprint server for biology.

Jarazo J, et al. (2026) SARS-CoV-2 Infection Induces Dopaminergic Neuronal Loss in Midbrain Organoids. Journal of neurochemistry, 170(5), e70486.

Zhang S, et al. (2026) BST2 expression at astrocyte borders promotes microglial recruitment via the C3/C3aR signaling. Neuron, 114(1), 67.

Morshed N, et al. (2026) iAstrocytes model cytokine influences on complement expression and neuronal network synchronization. bioRxiv : the preprint server for biology.

Liu Y, et al. (2026) PCIF1-mediated m6Am modification in ACC neurons participates in inflammatory pain and anxiety. Cell reports, 45(3), 117016.

Muñoz-Ballester C, et al. (2026) Astrocytic connexin43 phosphorylation contributes to seizure susceptibility after mild traumatic brain injury. The FEBS journal.

Uzuner Odongo D, et al. (2026) Genome-scale metabolic modeling uncovers cell-type specific signatures associated with APOE variants. iScience, 29(5), 115638.

Liu Y, et al. (2026) Human PSC-derived organoids model sympathetic ganglion development and its functional crosstalk with the heart. *Cell stem cell*, 33(1), 29.

Jin M, et al. (2026) Chimeric brain models to study human glial-neuronal and macroglial-microglial interactions. *Cell reports*, 45(1), 116794.

Qian L, et al. (2026) Protocol for morphogen-guided differentiation of brain cell types using human induced pluripotent stem cells. *STAR protocols*, 7(1), 104339.

Hasegawa K, et al. (2026) Age-related decline in nuclear envelope LINC complex drives neuronal aging via axon initial segment dysfunction. *EMBO reports*, 27(13), 3788.

Abay-Nørgaard Z, et al. (2026) Generation of human appetite-regulating neurons and tanycytes from pluripotent stem cells. *Cell stem cell*, 33(7), 1174.

Gaudel F, et al. (2025) Astrocyte-induced firing in primary afferent axons. *iScience*, 28(3), 112006.

Burns MS, et al. (2025) Distinct molecular patterns in R6/2 HD mouse brain: Insights from spatiotemporal transcriptomics. *Neuron*, 113(15), 2416.

Saito H, et al. (2025) Immunohistochemical distribution of extracellular signal-regulated kinase 1 and 2 (ERK1/2) in the rat carotid body. *Tissue & cell*, 99, 103247.

Hercher C, et al. (2025) Distribution and morphological features of astrocytes and Purkinje cells in the human cerebellum. *Frontiers in neuroanatomy*, 19, 1592671.