

Resource Summary Report

Generated by [RRID](#) on Aug 10, 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: 20250820T065638+0000

Record Last Update: 20250821T011548+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 [RRID](#) .

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.

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

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.

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.

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.

Walvekar AS, et al. (2025) Failure to repair damaged NAD(P)H blocks de novo serine synthesis in human cells. *Cellular & molecular biology letters*, 30(1), 3.