

Resource Summary Report

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

Calbindin (D1|4Q) XP Rabbit mAB

RRID:AB_2687400

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 13176, RRID:AB_2687400

Antibody Information

URL: http://antibodyregistry.org/AB_2687400

Proper Citation: Cell Signaling Technology Cat# 13176, RRID:AB_2687400

Target Antigen: Calbindin

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, IHC-P, IF-F

Antibody Name: Calbindin (D1|4Q) XP Rabbit mAB

Description: This monoclonal targets Calbindin

Target Organism: rat, mouse, human

Clone ID: Clone D1|4Q

Antibody ID: AB_2687400

Vendor: Cell Signaling Technology

Catalog Number: 13176

Record Creation Time: 20231110T034043+0000

Record Last Update: 20260829T225512+0000

Ratings and Alerts

No rating or validation information has been found for Calbindin (D1|4Q) XP Rabbit mAB.

No alerts have been found for Calbindin (D1|4Q) XP Rabbit mAB.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

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

Xu Y, et al. (2026) CNTN6 Modulates Slit-Robo Signaling in Cortical GABAergic Interneuron Migration. *Neuroscience bulletin*, 42(8), 1771.

Abitbol JM, et al. (2026) Dual mechanisms of supporting cell regeneration in the neonatal mouse cochlea. *iScience*, 29(3), 115113.

Nasanbuyan N, et al. (2026) Mapping of oxytocin- and arginine vasopressin-expressing neurons with calbindin 1 or reelin in the male mouse brain. *Journal of neuroendocrinology*, 38(7), e70228.

Targa G, et al. (2025) Altered GABAergic Homeostasis in the Striatum of Dopamine Transporter Knockout Rats. *Current neuropharmacology*, 23(11), 1470.

Valente D, et al. (2025) Distinct microRNA signatures define sporadic PSP-RS and PD in patient-derived midbrain organoids. *iScience*, 28(8), 113162.

Bartelt LC, et al. (2024) Antibody-assisted selective isolation of Purkinje cell nuclei from mouse cerebellar tissue. *Cell reports methods*, 4(7), 100816.

Gauer C, et al. (2024) CSF1R-mediated myeloid cell depletion shifts the ratio of motor cortical excitatory to inhibitory neurons in a multiple system atrophy model. *Experimental neurology*, 374, 114706.

Lin CW, et al. (2023) Light activates Ube3a, an Angelman syndrome-associated gene, by mediating the chromatin structures during postnatal development of mouse retina. *Journal of neurochemistry*, 167(6), 766.

Wang Y, et al. (2022) Deficiency of mesencephalic astrocyte-derived neurotrophic factor affects neurogenesis in mouse brain. *Brain research bulletin*, 183, 49.

Hooshmandi M, et al. (2021) 4E-BP2-dependent translation in cerebellar Purkinje cells controls spatial memory but not autism-like behaviors. *Cell reports*, 35(4), 109036.

Chaudhari K, et al. (2021) Early loss of cerebellar Purkinje cells in human and a transgenic mouse model of Alzheimer's disease. *Neurological research*, 43(7), 570.

Micaelo-Fernandes C, et al. (2021) Presence of the Endocannabinoid System in the Inferior Pulvinar of the Vervet Monkey. *Brain sciences*, 11(6).

Hao X, et al. (2021) Three-dimensional adaptive optical nanoscopy for thick specimen imaging at sub-50-nm resolution. *Nature methods*, 18(6), 688.

Li Y, et al. (2021) Activation of MAP3K DLK and LZK in Purkinje cells causes rapid and slow degeneration depending on signaling strength. *eLife*, 10.

Akimov SS, et al. (2021) Immortalized striatal precursor neurons from Huntington's disease patient-derived iPS cells as a platform for target identification and screening for experimental therapeutics. *Human molecular genetics*, 30(24), 2469.

Brooks PM, et al. (2020) Pou3f4-expressing otic mesenchyme cells promote spiral ganglion neuron survival in the postnatal mouse cochlea. *The Journal of comparative neurology*, 528(12), 1967.

Stoyas CA, et al. (2020) Nicotinamide Pathway-Dependent Sirt1 Activation Restores Calcium Homeostasis to Achieve Neuroprotection in Spinocerebellar Ataxia Type 7. *Neuron*, 105(4), 630.

Chen P, et al. (2020) Prefrontal Cortex Corticotropin-Releasing Factor Neurons Control Behavioral Style Selection under Challenging Situations. *Neuron*, 106(2), 301.

Kazuki Y, et al. (2020) A non-mosaic transchromosomic mouse model of down syndrome carrying the long arm of human chromosome 21. *eLife*, 9.

Goffigan-Holmes J, et al. (2019) Calbindin-1 Expression in the Hippocampus following Neonatal Hypoxia-Ischemia and Therapeutic Hypothermia and Deficits in Spatial Memory. *Developmental neuroscience*, 1.