

Resource Summary Report

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Monoclonal Anti-D1 Dopamine Receptor antibody produced in rat

RRID:AB_1840787

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# D2944, RRID:AB_1840787

Antibody Information

URL: http://antibodyregistry.org/AB_1840787

Proper Citation: Sigma-Aldrich Cat# D2944, RRID:AB_1840787

Target Antigen: D1 Dopamine Receptor antibody produced in rat

Host Organism: rat

Clonality: monoclonal

Comments: Vendor recommendations: IgG2a Immunohistochemistry; Western Blot; Immunocytochemistry; immunohistochemistry: suitable, immunocytochemistry^{2,3,4,5}: 5-10 mug/mL

Antibody Name: Monoclonal Anti-D1 Dopamine Receptor antibody produced in rat

Description: This monoclonal targets D1 Dopamine Receptor antibody produced in rat

Target Organism: monkey, rat, human

Antibody ID: AB_1840787

Vendor: Sigma-Aldrich

Catalog Number: D2944

Record Creation Time: 20250820T002748+0000

Record Last Update: 20250820T082006+0000

Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-D1 Dopamine Receptor antibody produced in rat.

No alerts have been found for Monoclonal Anti-D1 Dopamine Receptor antibody produced in rat.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Kim DH, et al. (2024) The dopamine D2-like receptor and the Y-chromosome gene, SRY, are reciprocally regulated in the human male neuroblastoma M17 cell line. *Neuropharmacology*, 251, 109928.

Dong J, et al. (2024) Age-related changes of dopamine D1 and D2 receptors expression in parvalbumin-positive cells of the orbitofrontal and prelimbic cortices of mice. *Frontiers in neuroscience*, 18, 1364067.

Gao SQ, et al. (2023) Thrombospondin1 mimics rapidly relieve depression via Shank3 dependent uncoupling between dopamine D1 and D2 receptors. *iScience*, 26(4), 106488.

Ogata K, et al. (2022) Conservation of the Direct and Indirect Pathway Dichotomy in Mouse Caudal Striatum With Uneven Distribution of Dopamine Receptor D1- and D2-Expressing Neurons. *Frontiers in neuroanatomy*, 16, 809446.

Wang J, et al. (2021) Pathways for Contextual Memory: The Primate Hippocampal Pathway to Anterior Cingulate Cortex. *Cerebral cortex (New York, N.Y. : 1991)*, 31(3), 1807.

Ducrocq F, et al. (2020) Causal Link between n-3 Polyunsaturated Fatty Acid Deficiency and Motivation Deficits. *Cell metabolism*, 31(4), 755.

Grippo RM, et al. (2020) Dopamine Signaling in the Suprachiasmatic Nucleus Enables Weight Gain Associated with Hedonic Feeding. *Current biology : CB*, 30(2), 196.

Lavian H, et al. (2018) Dopamine receptors in the rat entopeduncular nucleus. *Brain structure & function*, 223(6), 2673.

Mitrano DA, et al. (2018) β -Adrenergic Receptor Localization and Relationship to the D1-Dopamine Receptor in the Rat Nucleus Accumbens. *Neuroscience*, 371, 126.

Ketzel M, et al. (2017) Dopamine Depletion Impairs Bilateral Sensory Processing in the Striatum in a Pathway-Dependent Manner. *Neuron*, 94(4), 855.

Grippo RM, et al. (2017) Direct Midbrain Dopamine Input to the Suprachiasmatic Nucleus Accelerates Circadian Entrainment. *Current biology : CB*, 27(16), 2465.

Naneix F, et al. (2017) Impact of Early Consumption of High-Fat Diet on the Mesolimbic Dopaminergic System. *eNeuro*, 4(3).

Biezonski DK, et al. (2015) Evidence for limited D1 and D2 receptor coexpression and colocalization within the dorsal striatum of the neonatal mouse. *The Journal of comparative neurology*, 523(8), 1175.