

Resource Summary Report

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

Opioid Receptor-Mu (MOR) Antibody

RRID:AB_572251

Type: Antibody

Proper Citation

ImmunoStar Cat# 24216, RRID:AB_572251

Antibody Information

URL: http://antibodyregistry.org/AB_572251

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Target Antigen: Synthetic rat MOR1 (384-398)

Host Organism: rabbit

Clonality: polyclonal

Comments: Manufacturer Applications: Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Western Blot; Note, The Mu Opioid Receptor antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates strongly positive labeling of rat caudate putamen and spinal cord (dorsal horn) using indirect immunofluorescent and biotin/avidin-HRP techniques. Recommended primary dilutions are 1/500 - 1/1000 in PBS/0.3% Triton X-100 - Cy3 Technique and 1/6000 - 1/10000 in PBS/0.3% Triton X-100 - Biotin/avidin-HRP Technique. Preadsorption with MOR peptide (384-398) at 10 µg/ml completely eliminates labeling. The specificity of the antiserum was determined by immunolabeling of transfected cells, Western Blot analysis and immunoisolation studies.; Gene Symbol:

Antibody Name: Opioid Receptor-Mu (MOR) Antibody

Description: This polyclonal targets Synthetic rat MOR1 (384-398)

Target Organism: tadpole, chicken, monkey, rat, mouse, starling, frog, cat, human

Defining Citation: [PMID:10218804](#), [PMID:9175900](#), [PMID:25807259](#), [PMID:9593869](#), [PMID:9169542](#), [PMID:9622672](#), [PMID:10439458](#), [PMID:10366629](#), [PMID:26098212](#), [PMID:9804311](#)

Antibody ID: AB_572251

Vendor: ImmunoStar

Catalog Number: 24216

Record Creation Time: 20231110T044026+0000

Record Last Update: 20260829T061520+0000

Ratings and Alerts

- Human colon Whole Mount technique staining in Submucosal plexus in Soma shows moderate immunostaining. Human colon Whole Mount technique staining in Submucosal plexus in Fibers was negative for immunostaining. Data provided by Sternini lab. - Brookes et al. (2022) via SPARC
<https://sparc.science/resources/7Mldjv3RIVrQ11hpBC8PK>

No alerts have been found for Opioid Receptor-Mu (MOR) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Popat AK, et al. (2026) Mu Opioid Receptor mRNA and Protein Localization Across the Rat and Mouse Habenula. The Journal of comparative neurology, 534(6), e70175.

Chon U, et al. (2026) Inverse expression of Ten3 and Lphn2 across the developing mouse brain suggests a global strategy for circuit assembly. Current biology : CB, 36(10), 2606.

Liang J, et al. (2024) A brainstem circuit amplifies aversion. Neuron, 112(21), 3634.

Liu S, et al. (2022) Divergent brainstem opioidergic pathways that coordinate breathing with pain and emotions. Neuron, 110(5), 857.

van Heusden F, et al. (2021) Diversity in striatal synaptic circuits arises from distinct embryonic progenitor pools in the ventral telencephalon. Cell reports, 35(4), 109041.

McGregor MM, et al. (2019) Functionally Distinct Connectivity of Developmentally Targeted Striosome Neurons. Cell reports, 29(6), 1419.

Wu J, et al. (2019) Distinct Connectivity and Functionality of Aldehyde Dehydrogenase 1a1-Positive Nigrostriatal Dopaminergic Neurons in Motor Learning. Cell reports, 28(5), 1167.

Kelly SM, et al. (2018) Radial Glial Lineage Progression and Differential Intermediate Progenitor Amplification Underlie Striatal Compartments and Circuit Organization. Neuron,

99(2), 345.

Davis MI, et al. (2018) The cannabinoid-1 receptor is abundantly expressed in striatal striosomes and striosome-dendron bouquets of the substantia nigra. PloS one, 13(2), e0191436.