

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

## Anti-Opioid Receptor, micro, pain

RRID:AB\_177512

Type: Antibody

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### Proper Citation

Millipore Cat# AB5511, RRID:AB\_177512

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_177512](http://antibodyregistry.org/AB_177512)

**Proper Citation:** Millipore Cat# AB5511, RRID:AB\_177512

**Target Antigen:** Opioid Receptor micro pain

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** seller recommendations: Immunohistochemistry; Western Blot; Immunocytochemistry; IC, IH, WB

**Antibody Name:** Anti-Opioid Receptor, micro, pain

**Description:** This polyclonal targets Opioid Receptor micro pain

**Target Organism:** h, m, r, pm

**Defining Citation:** [PMID:16977615](#)

**Antibody ID:** AB\_177512

**Vendor:** Millipore

**Catalog Number:** AB5511

**Record Creation Time:** 20250819T231928+0000

**Record Last Update:** 20250820T045919+0000

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### Ratings and Alerts

No rating or validation information has been found for Anti-Opioid Receptor, micro, pain.

No alerts have been found for Anti-Opioid Receptor, micro, pain.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 7 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Rousseau B, et al. (2022) Beta 2 adrenergic receptor and mu opioid receptor interact to potentiate the aggressiveness of human breast cancer cell by activating the glycogen synthase kinase 3 signaling. Breast cancer research : BCR, 24(1), 33.

Barker KE, et al. (2022) Subanalgesic morphine doses augment fentanyl analgesia by interacting with delta opioid receptors in male rats. Journal of neuroscience research, 100(1), 149.

Murugan S, et al. (2021) Beta 2 Adrenergic Receptor Antagonist Propranolol and Opioidergic Receptor Antagonist Naltrexone Produce Synergistic Effects on Breast Cancer Growth Prevention by Acting on Cancer Cells and Immune Environment in a Preclinical Model of Breast Cancer. Cancers, 13(19).

Anderson AG, et al. (2020) Single-Cell Analysis of Foxp1-Driven Mechanisms Essential for Striatal Development. Cell reports, 30(9), 3051.

Mandelbaum G, et al. (2019) Distinct Cortical-Thalamic-Striatal Circuits through the Parafascicular Nucleus. Neuron, 102(3), 636.

Wallace ML, et al. (2017) Genetically Distinct Parallel Pathways in the Entopeduncular Nucleus for Limbic and Sensorimotor Output of the Basal Ganglia. Neuron, 94(1), 138.

Hirata H, et al. (2016) Cell adhesion molecule contactin-associated protein 3 is expressed in the mouse basal ganglia during early postnatal stages. Journal of neuroscience research, 94(1), 74.