

Resource Summary Report

Generated by [RRID](#) on Aug 8, 2026

Anti-Rhodopsin, clone RET-P1

RRID:AB_2156055

Type: Antibody

Proper Citation

Millipore Cat# MAB5316, RRID:AB_2156055

Antibody Information

URL: http://antibodyregistry.org/AB_2156055

Proper Citation: Millipore Cat# MAB5316, RRID:AB_2156055

Target Antigen: OPN4

Host Organism: mouse

Clonality: monoclonal

Comments: seller recommendations: western blot, immunocytochemistry

Antibody Name: Anti-Rhodopsin, clone RET-P1

Description: This monoclonal targets OPN4

Target Organism: rat, mouse, human

Defining Citation: [PMID:18425804](#)

Antibody ID: AB_2156055

Vendor: Millipore

Catalog Number: MAB5316

Record Creation Time: 20250820T055850+0000

Record Last Update: 20250820T225853+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Rhodopsin, clone RET-P1.

No alerts have been found for Anti-Rhodopsin, clone RET-P1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Hauzman E, et al. (2026) Canonical PKC γ -immunoreactive rod bipolar cells are present in nocturnal snakes but not in diurnal snakes. *Scientific reports*, 16(1).

Miles A, et al. (2025) The homeobox gene, *dmbx1a*, is required for the development and maintenance of bipolar and photoreceptor cells in the zebrafish retina. *Experimental eye research*, 110809.

Hauzman E, et al. (2025) Exceptional Visual-Opsin Coexpression and Phenotypic Diversity in Outer-Retinal Photoreceptors of Caenophidian Snakes. *The Journal of comparative neurology*, 533(10), e70092.

Liao C, et al. (2024) Inhibition of JNK ameliorates rod photoreceptor degeneration in a mouse model of retinitis pigmentosa. *FEBS letters*.

Coles BLK, et al. (2021) A microfluidic platform enables comprehensive gene expression profiling of mouse retinal stem cells. *Lab on a chip*, 21(22), 4464.

Baakdhah TW, et al. (2021) A defined subset of clonal retinal stem cell spheres is biased to RPE differentiation. *iScience*, 24(6), 102574.

Ran J, et al. (2020) ASK1-Mediated Phosphorylation Blocks HDAC6 Ubiquitination and Degradation to Drive the Disassembly of Photoreceptor Connecting Cilia. *Developmental cell*, 53(3), 287.

Hamon A, et al. (2019) Linking YAP to Müller Glia Quiescence Exit in the Degenerative Retina. *Cell reports*, 27(6), 1712.

Schweikert LE, et al. (2018) Altered environmental light drives retinal change in the Atlantic Tarpon (*Megalops atlanticus*) over timescales relevant to marine environmental disturbance. *BMC ecology*, 18(1), 1.

Mitkus M, et al. (2017) Specialized photoreceptor composition in the raptor fovea. *The Journal of comparative neurology*, 525(9), 2152.

Schweikert LE, et al. (2016) Evolutionary loss of cone photoreception in balaenid whales reveals circuit stability in the mammalian retina. *The Journal of comparative neurology*, 524(14), 2873.

Coimbra JP, et al. (2015) Variations in retinal photoreceptor topography and the organization of the rod-free zone reflect behavioral diversity in Australian passerines. *The Journal of comparative neurology*, 523(7), 1073.