

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

Anti-Opsin, blue

RRID:AB_177457

Type: Antibody

Proper Citation

Millipore Cat# AB5407, RRID:AB_177457

Antibody Information

URL: http://antibodyregistry.org/AB_177457

Proper Citation: Millipore Cat# AB5407, RRID:AB_177457

Target Antigen: Opsin blue

Host Organism: rabbit

Clonality: polyclonal

Comments: seller recommendations: IH(P); Immunohistochemistry

Antibody Name: Anti-Opsin, blue

Description: This polyclonal targets Opsin blue

Target Organism: h, m, mk

Defining Citation: [PMID:18425804](#), [PMID:20437529](#), [PMID:20593360](#), [PMID:18076080](#)

Antibody ID: AB_177457

Vendor: Millipore

Catalog Number: AB5407

Record Creation Time: 20250819T223322+0000

Record Last Update: 20250820T023358+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Opsin, blue.

No alerts have been found for Anti-Opsin, blue.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

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.

Cunquero M, et al. (2025) Whole-mount Retinal Organoid Visualization with Cellular Resolution. Journal of visualized experiments : JoVE(220).

Enayati S, et al. (2024) Optimal transcorneal electrical stimulation parameters for preserving photoreceptors in a mouse model of retinitis pigmentosa. Neural regeneration research, 19(11), 2543.

Ellis EM, et al. (2023) Cones and cone pathways remain functional in advanced retinal degeneration. Current biology : CB, 33(8), 1513.

Berry MH, et al. (2023) A melanopsin ganglion cell subtype forms a dorsal retinal mosaic projecting to the supraoptic nucleus. Nature communications, 14(1), 1492.

Ng L, et al. (2023) Biphasic expression of thyroid hormone receptor TR??1 in mammalian retina and anterior ocular tissues. Frontiers in endocrinology, 14, 1174600.

Bolstad K, et al. (2023) Two mechanisms of retinal photoreceptor plasticity underlie rapid adaptation to novel light environments. The Journal of comparative neurology, 531(10), 1080.

Liu H, et al. (2023) Noncoding Mutations in a Thyroid Hormone Receptor Gene That Impair Cone Photoreceptor Function. Endocrinology, 164(3).

Bolstad K, et al. (2023) Chromatic organization of retinal photoreceptors during eye migration of Atlantic halibut (*Hippoglossus hippoglossus*). The Journal of comparative neurology, 531(2), 256.

Murray GC, et al. (2023) An allelic series of spontaneous Rorb mutant mice exhibit a gait phenotype, changes in retina morphology and behavior, and gene expression signatures associated with the unfolded protein response. G3 (Bethesda, Md.), 13(8).

Ikelle L, et al. (2023) Comparative study of PRPH2 D2 loop mutants reveals divergent disease mechanism in rods and cones. Cellular and molecular life sciences : CMLS, 80(8), 214.

Li J, et al. (2022) Repair of Retinal Degeneration by Human Amniotic Epithelial Stem Cell-Derived Photoreceptor-like Cells. International journal of molecular sciences, 23(15).

Zhang HJ, et al. (2022) Lutein delays photoreceptor degeneration in a mouse model of retinitis pigmentosa. *Neural regeneration research*, 17(7), 1596.

Rowe AA, et al. (2022) Long-term progression of retinal degeneration in a preclinical model of CLN7 Batten disease as a baseline for testing clinical therapeutics. *EBioMedicine*, 85, 104314.

Liu F, et al. (2021) Wolfberry-derived zeaxanthin dipalmitate delays retinal degeneration in a mouse model of retinitis pigmentosa through modulating STAT3, CCL2 and MAPK pathways. *Journal of neurochemistry*, 158(5), 1131.

Ryl M, et al. (2021) Genetic disruption of bassoon in two mutant mouse lines causes divergent retinal phenotypes. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(5), e21520.

Zhang J, et al. (2021) Identification of early-onset photoreceptor degeneration in transgenic mouse models of Alzheimer's disease. *iScience*, 24(11), 103327.

Mouland JW, et al. (2021) Extensive cone-dependent spectral opponency within a discrete zone of the lateral geniculate nucleus supporting mouse color vision. *Current biology : CB*, 31(15), 3391.

Sridhar A, et al. (2020) Single-Cell Transcriptomic Comparison of Human Fetal Retina, hPSC-Derived Retinal Organoids, and Long-Term Retinal Cultures. *Cell reports*, 30(5), 1644.

Yi Z, et al. (2020) Comparative exome sequencing reveals novel candidate genes for retinitis pigmentosa. *EBioMedicine*, 56, 102792.