Resource Summary Report

Generated by NIF on Aug 1, 2026

Rhodopsin antibody [Rho 4D2]

RRID:AB_10696805
Type: Antibody

Proper Citation

Abcam Cat# ab98887, RRID:AB_10696805

Antibody Information

URL: http://antibodyregistry.org/AB_10696805

Proper Citation: Abcam Cat# ab98887, RRID:AB_10696805

Target Antigen: Rhodopsin antibody [Rho 4D2]

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: ELISA, ICC, IHC-Fr, IHC-P, IP, WB; Immunocytochemistry; Immunohistochemistry - fixed; Immunohistochemistry; Immunoprecipitation; ELISA; Immunohistochemistry - frozen; Western Blot

Antibody Name: Rhodopsin antibody [Rho 4D2]

Description: This monoclonal targets Rhodopsin antibody [Rho 4D2]

Target Organism: rat, xenopusamphibian, porcine, cow, pig, mouse, bovine, human

Antibody ID: AB_10696805

Vendor: Abcam

Catalog Number: ab98887

Record Creation Time: 20250819T205645+0000

Record Last Update: 20250819T212011+0000

Ratings and Alerts

No rating or validation information has been found for Rhodopsin antibody [Rho 4D2].

No alerts have been found for Rhodopsin antibody [Rho 4D2].

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Huang X, et al. (2026) Contribution of ferroptosis and SLC7A11 to light-induced photoreceptor degeneration. Neural regeneration research, 21(1), 406.

Ren C, et al. (2026) Mesenchymal stem cell-derived small extracellular vesicles enhance the therapeutic effect of retinal progenitor cells in retinal degenerative disease rats. Neural regeneration research, 21(2), 821.

Huang X, et al. (2024) Mitochondrial transfer between BMSCs and Müller promotes mitochondrial fusion and suppresses gliosis in degenerative retina. iScience, 27(7), 110309.

D'Souza SP, et al. (2024) Developmental control of rod number via a light-dependent retrograde pathway from intrinsically photosensitive retinal ganglion cells. Developmental cell, 59(21), 2897.

Rose K, et al. (2024) Light regulation of rhodopsin distribution during outer segment renewal in murine rod photoreceptors. Current biology : CB.

Toualbi L, et al. (2023) Gene Augmentation of CHM Using Non-Viral Episomal Vectors in Models of Choroideremia. International journal of molecular sciences, 24(20).

Rodgers J, et al. (2023) Modulating signalling lifetime to optimise a prototypical animal opsin for optogenetic applications. Pflugers Archiv : European journal of physiology, 475(12), 1387.

DeVera C, et al. (2022) The Circadian Clock in the Retinal Pigment Epithelium Controls the Diurnal Rhythm of Phagocytic Activity. International journal of molecular sciences, 23(10).

Tichy AM, et al. (2022) Structure-guided optimization of light-activated chimeric G-protein-coupled receptors. Structure (London, England : 1993), 30(8), 1075.

Smith CL, et al. (2021) Global chromatin relabeling accompanies spatial inversion of chromatin in rod photoreceptors. Science advances, 7(39), eabj3035.

Ravera S, et al. (2021) Efficient extra-mitochondrial aerobic ATP synthesis in neuronal membrane systems. Journal of neuroscience research, 99(9), 2250.

Burger CA, et al. (2020) LKB1 coordinates neurite remodeling to drive synapse layer emergence in the outer retina. eLife, 9.

Liu J, et al. (2020) Single-cell RNA sequencing study of retinal immune regulators identified CD47 and CD59a expression in photoreceptors-Implications in subretinal immune regulation. Journal of neuroscience research, 98(7), 1498.

Zhang X, et al. (2018) Establishment of an induced pluripotent stem cell line from a retinitis pigmentosa patient with compound heterozygous CRB1 mutation. Stem cell research, 31, 147.

Sarin S, et al. (2018) Role for Wnt Signaling in Retinal Neuropil Development: Analysis via RNA-Seq and In Vivo Somatic CRISPR Mutagenesis. Neuron, 98(1), 109.

Diacou R, et al. (2018) Six3 and Six6 Are Jointly Required for the Maintenance of Multipotent Retinal Progenitors through Both Positive and Negative Regulation. Cell reports, 25(9), 2510.

Wohlever ML, et al. (2017) Msp1 Is a Membrane Protein Dislocase for Tail-Anchored Proteins. Molecular cell, 67(2), 194.