

Resource Summary Report

Generated by [dkNET](#) on Sep 3, 2026

Mouse Anti-Rhodopsin Monoclonal antibody, Unconjugated, Clone rho 1d4

RRID:AB_2178961

Type: Antibody

Proper Citation

Millipore Cat# MAB5356, RRID:AB_2178961

Antibody Information

URL: http://antibodyregistry.org/AB_2178961

Proper Citation: Millipore Cat# MAB5356, RRID:AB_2178961

Target Antigen: Rhodopsin

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: ICC, IHC IP, WB
Consolidation on 6/2023: AB_2313039

Antibody Name: Mouse Anti-Rhodopsin Monoclonal antibody, Unconjugated, Clone rho 1d4

Description: This monoclonal targets Rhodopsin

Target Organism: other, feline, chickenavian, rat, hamster, simian, xenopus, donkey, porcine, canine, vertebrates, horse, mouse, rabbit, bovine, human, sheep

Clone ID: Clone Rho 1D4

Antibody ID: AB_2178961

Vendor: Millipore

Catalog Number: MAB5356

Record Creation Time: 20231110T042352+0000

Record Last Update: 20260829T115154+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Rhodopsin Monoclonal antibody, Unconjugated, Clone rho 1d4.

No alerts have been found for Mouse Anti-Rhodopsin Monoclonal antibody, Unconjugated, Clone rho 1d4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Abélanet S, et al. (2026) EFA6A regulates retinal function through the control of photoreceptor cell activity and structure. *iScience*, 29(4), 115179.

Han X, et al. (2026) Lycium barbarum glycopeptide and luteolin synergistically protect mouse photoreceptors against N-nitroso-N-methylurea-induced degeneration. *Neural regeneration research*, 21(7), 3202.

Williams C, et al. (2026) Design principles of a membrane-spanning ubiquitin ligase. *Molecular cell*, 86(11), 2207.

Moye AR, et al. (2025) Sub-ciliary localization of CEP290 and effects of its loss in mouse photoreceptors during development. *Journal of cell science*, 138(20).

Thompson SL, et al. (2025) P23H rhodopsin accumulation causes transient disruptions to synaptic protein levels in rod photoreceptors in a model of retinitis pigmentosa. *Disease models & mechanisms*, 18(6).

Thompson SL, et al. (2024) P23H rhodopsin aggregation in the ER causes synaptic protein imbalance in rod photoreceptors. *bioRxiv : the preprint server for biology*.

Haggerty KN, et al. (2024) Super-resolution mapping in rod photoreceptors identifies rhodopsin trafficking through the inner segment plasma membrane as an essential subcellular pathway. *PLoS biology*, 22(1), e3002467.

Kong Q, et al. (2024) Lycium barbarum glycopeptide (wolfberry extract) slows N-methyl-N-nitrosourea-induced degradation of photoreceptors. *Neural regeneration research*, 19(10), 2290.

Qu Z, et al. (2023) Stage-specific dynamic reorganization of genome topology shapes transcriptional neighborhoods in developing human retinal organoids. *Cell reports*, 42(12), 113543.

Shahin S, et al. (2023) MFN1 augmentation prevents retinal degeneration in a Charcot-Marie-Tooth type 2A mouse model. *iScience*, 26(3), 106270.

Espitia-Arias MD, et al. (2023) Oxidative Model of Retinal Neurodegeneration Induced by Sodium Iodate: Morphofunctional Assessment of the Visual Pathway. *Antioxidants* (Basel, Switzerland), 12(8).

Haggerty KN, et al. (2023) Mapping rhodopsin trafficking in rod photoreceptors with quantitative super-resolution microscopy. *bioRxiv : the preprint server for biology*.

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

Bonilla-Pons SÀ, et al. (2022) Müller glia fused with adult stem cells undergo neural differentiation in human retinal models. *EBioMedicine*, 77, 103914.

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.

Pang J, et al. (2021) Step-by-step preparation of mouse eye sections for routine histology, immunofluorescence, and RNA in situ hybridization multiplexing. *STAR protocols*, 2(4), 100879.

Pang J, et al. (2021) NOTCH Signaling Controls Ciliary Body Morphogenesis and Secretion by Directly Regulating Nectin Protein Expression. *Cell reports*, 34(2), 108603.

Tang X, et al. (2020) Using inducible lentiviral vectors to generate induced pluripotent stem cell line ZOCi001-A from peripheral blood cells of a patient with CRB1-/- retinitis pigmentosa. *Stem cell research*, 45, 101817.

Alves CH, et al. (2019) CRB2 Loss in Rod Photoreceptors Is Associated with Progressive Loss of Retinal Contrast Sensitivity. *International journal of molecular sciences*, 20(17).