Resource Summary Report

Generated by RRID on Aug 11, 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: 20250819T225933+0000

Record Last Update: 20250820T035654+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 RRID .

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).