

Resource Summary Report

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rhodopsin 1 (Rh1 Drosophila) antibody - de Couet, H.G. / Tanimura, T.; University of Hawaii

RRID:AB_528451

Type: Antibody

Proper Citation

DSHB Cat# 4c5, RRID:AB_528451

Antibody Information

URL: http://antibodyregistry.org/AB_528451

Proper Citation: DSHB Cat# 4c5, RRID:AB_528451

Target Antigen: rhodopsin 1 (Rh1 Drosophila)

Host Organism: mouse

Clonality: monoclonal

Comments: Application(s): Immunohistochemistry, Immunoprecipitation, Western Blot;
Date Deposited: 01/18/1996

Antibody Name: rhodopsin 1 (Rh1 Drosophila) antibody - de Couet, H.G. / Tanimura, T.;
University of Hawaii

Description: This monoclonal targets rhodopsin 1 (Rh1 Drosophila)

Target Organism: Drosophila

Defining Citation: [PMID:25002678](#), [PMID:15897260](#), [PMID:23250212](#), [PMID:20176938](#),
[PMID:25633995](#), [PMID:11754840](#), [PMID:16380111](#), [PMID:11782408](#), [PMID:19214580](#)

Antibody ID: AB_528451

Vendor: DSHB

Catalog Number: 4c5

Record Creation Time: 20250819T235319+0000

Record Last Update: 20250820T064352+0000

Ratings and Alerts

No rating or validation information has been found for rhodopsin 1 (Rh1 *Drosophila*) antibody - de Couet, H.G. / Tanimura, T.; University of Hawaii.

No alerts have been found for rhodopsin 1 (Rh1 *Drosophila*) antibody - de Couet, H.G. / Tanimura, T.; University of Hawaii.

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 [NIF](#) .

Tzou FY, et al. (2025) Dihydroceramide desaturase modulates autolysosome maturation and ameliorates CRB1 retinopathy. *Biochimica et biophysica acta. Molecular basis of disease*, 1871(5), 167736.

Oka M, et al. (2025) Glucose uptake in pigment glia suppresses Tau-induced inflammation and photoreceptor degeneration. *Disease models & mechanisms*, 18(4).

Ready DF, et al. (2025) *Drosophila* photoreceptor tethering by a laminin-Eys scaffold. *iScience*, 28(6), 112732.

Guo X, et al. (2024) The Zn²⁺ transporter ZIP7 enhances endoplasmic-reticulum-associated protein degradation and prevents neurodegeneration in *Drosophila*. *Developmental cell*, 59(13), 1655.

Feizy N, et al. (2024) In vivo identification of *Drosophila* rhodopsin interaction partners by biotin proximity labeling. *Scientific reports*, 14(1), 1986.

Gaspar CJ, et al. (2023) Xport-A functions as a chaperone by stabilizing the first five transmembrane domains of rhodopsin-1. *iScience*, 26(12), 108309.

Lambert E, et al. (2022) The Alzheimer susceptibility gene BIN1 induces isoform-dependent neurotoxicity through early endosome defects. *Acta neuropathologica communications*, 10(1), 4.

Wagner K, et al. (2022) Phospholipase D and retromer promote recycling of TRPL ion channel via the endoplasmic reticulum. *Traffic (Copenhagen, Denmark)*, 23(1), 42.

Gu Q, et al. (2020) G^{??q} splice variants mediate phototransduction, rhodopsin synthesis, and retinal integrity in *Drosophila*. *The Journal of biological chemistry*, 295(17), 5554.

Schlichting M, et al. (2019) Light-Mediated Circuit Switching in the *Drosophila* Neuronal Clock Network. *Current biology : CB*, 29(19), 3266.

Mu Y, et al. (2019) Metallophosphoesterase regulates light-induced rhodopsin endocytosis by promoting an association between arrestin and the adaptor protein AP2. *The Journal of biological chemistry*, 294(35), 12892.

Haider A, et al. (2018) PCYT1A Regulates Phosphatidylcholine Homeostasis from the Inner Nuclear Membrane in Response to Membrane Stored Curvature Elastic Stress. *Developmental cell*, 45(4), 481.