

Resource Summary Report

Generated by [RRID](#) on Sep 11, 2026

Mouse Anti-PKARII beta Monoclonal Antibody, Unconjugated, Clone 45

RRID:AB_397957

Type: Antibody

Proper Citation

BD Biosciences Cat# 610625, RRID:AB_397957

Antibody Information

URL: http://antibodyregistry.org/AB_397957

Proper Citation: BD Biosciences Cat# 610625, RRID:AB_397957

Target Antigen: PKARII beta

Host Organism: mouse

Clonality: monoclonal

Comments: Immunofluorescence, Immunohistochemistry, Western blot

Antibody Name: Mouse Anti-PKARII beta Monoclonal Antibody, Unconjugated, Clone 45

Description: This monoclonal targets PKARII beta

Target Organism: chicken, chickenavian, rat, canine, mouse, dog, human

Defining Citation: [PMID:21192077](#), [PMID:21246553](#), [PMID:22965528](#), [PMID:18095322](#), [PMID:17447251](#)

Antibody ID: AB_397957

Vendor: BD Biosciences

Catalog Number: 610625

Record Creation Time: 20231110T044613+0000

Record Last Update: 20260829T112005+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-PKARII beta Monoclonal Antibody, Unconjugated, Clone 45.

No alerts have been found for Mouse Anti-PKARII beta Monoclonal Antibody, Unconjugated, Clone 45.

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 [RRID](#).

Mohammadi M, et al. (2025) BH4 Oxidation-Derived H2O2 Activates ERK1/2 Signaling via B-Raf in Rat Dorsal Root Ganglion Neurons. *Journal of neurochemistry*, 169(11), e70271.

Kawashima R, et al. (2024) Necl-1/CADM3 regulates cone synapse formation in the mouse retina. *iScience*, 27(4), 109577.

Steffen DM, et al. (2023) A Unique Role for Protocadherin α C3 in Promoting Dendrite Arborization through an Axin1-Dependent Mechanism. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(6), 918.

Balaji V, et al. (2023) Immunohistochemical characterization of bipolar cells in four distantly related avian species. *The Journal of comparative neurology*, 531(4), 561.

Keeley PW, et al. (2023) Nfia Is Critical for All Amacrine Cell Production: Selective Bipolar Cell Dependencies and Diminished ERG. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(49), 8367.

Sharpe ZJ, et al. (2021) Asymmetric Distributions of Achromatic Bipolar Cells in the Mouse Retina. *Frontiers in neuroanatomy*, 15, 786142.

Keeley PW, et al. (2021) Interrelationships between Cellular Density, Mosaic Patterning, and Dendritic Coverage of VGluT3 Amacrine Cells. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(1), 103.

Simmons AB, et al. (2020) Increased density and age-related sharing of synapses at the cone to OFF bipolar cell synapse in the mouse retina. *The Journal of comparative neurology*, 528(7), 1140.

Dong X, et al. (2020) LIM-Homeodomain Transcription Factor LHX4 Is Required for the Differentiation of Retinal Rod Bipolar Cells and OFF-Cone Bipolar Subtypes. *Cell reports*, 32(11), 108144.

Yamamoto H, et al. (2020) Functional and Evolutionary Diversification of Otx2 and Crx in Vertebrate Retinal Photoreceptor and Bipolar Cell Development. *Cell reports*, 30(3), 658.

Bathon K, et al. (2019) Alterations in Protein Kinase A Substrate Specificity as a Potential Cause of Cushing Syndrome. *Endocrinology*, 160(2), 447.

Purkey AM, et al. (2018) AKAP150 Palmitoylation Regulates Synaptic Incorporation of Ca²⁺-Permeable AMPA Receptors to Control LTP. *Cell reports*, 25(4), 974.

Ilouz R, et al. (2017) Isoform-specific subcellular localization and function of protein kinase A identified by mosaic imaging of mouse brain. *eLife*, 6.

Lu Q, et al. (2017) Immunohistochemical Procedures for Characterizing the Retinal Expression Patterns of Cre Driver Mouse Lines. *Methods in molecular biology* (Clifton, N.J.), 1642, 181.

Farshi P, et al. (2016) Dopamine D1 receptor expression is bipolar cell type-specific in the mouse retina. *The Journal of comparative neurology*, 524(10), 2059.

Shekhar K, et al. (2016) Comprehensive Classification of Retinal Bipolar Neurons by Single-Cell Transcriptomics. *Cell*, 166(5), 1308.

Hellmer CB, et al. (2016) Morphological and physiological analysis of type-5 and other bipolar cells in the Mouse Retina. *Neuroscience*, 315, 246.