

Resource Summary Report

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Mouse Anti-Bovine Protein Kinase C (PKC) Monoclonal Antibody, Unconjugated, Clone MC5

RRID:AB_477375

Type: Antibody

Proper Citation

(Sigma-Aldrich Cat# P5704, RRID:AB_477375)

Antibody Information

URL: http://antibodyregistry.org/AB_477375

Proper Citation: (Sigma-Aldrich Cat# P5704, RRID:AB_477375)

Target Antigen: Protein Kinase C (PKC)

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: Immunohistochemistry; Immunoprecipitation; Western Blot; Immunohistochemistry (Frozen sections), Immunoprecipitation, Western Blot

Antibody Name: Mouse Anti-Bovine Protein Kinase C (PKC) Monoclonal Antibody, Unconjugated, Clone MC5

Description: This monoclonal targets Protein Kinase C (PKC)

Target Organism: Human, Bovine, Rat, Mouse

Clone ID: Clone MC5

Defining Citation: [PMID:23348566](#), [PMID:19350664](#), [PMID:19882719](#), [PMID:20020539](#), [PMID:17299759](#), [PMID:18671302](#), [PMID:17154255](#), [PMID:20127818](#), [PMID:18041773](#)

Antibody ID: AB_477375

Vendor: Sigma-Aldrich

Catalog Number: P5704

Record Creation Time: 20231110T044408+0000

Record Last Update: 20241115T055557+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Bovine Protein Kinase C (PKC) Monoclonal Antibody, Unconjugated, Clone MC5.

No alerts have been found for Mouse Anti-Bovine Protein Kinase C (PKC) Monoclonal Antibody, Unconjugated, Clone MC5.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Kerstein PC, et al. (2023) Gbx2 controls amacrine cell dendrite stratification through Robo1/2 receptors. bioRxiv : the preprint server for biology.

Soto F, et al. (2022) AMIGO1 Promotes Axon Growth and Territory Matching in the Retina. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(13), 2678.

Sinha R, et al. (2021) Transient expression of a GABA receptor subunit during early development is critical for inhibitory synapse maturation and function. Current biology : CB, 31(19), 4314.

Nagy J, et al. (2021) GABAA presynaptic inhibition regulates the gain and kinetics of retinal output neurons. eLife, 10.

Sinha R, et al. (2020) LRRTM4: A Novel Regulator of Presynaptic Inhibition and Ribbon Synapse Arrangements of Retinal Bipolar Cells. Neuron, 105(6), 1007.

Wakeham CM, et al. (2020) Expression and distribution of trophoblast glycoprotein in the mouse retina. The Journal of comparative neurology, 528(10), 1660.

Care RA, et al. (2020) Mature Retina Compensates Functionally for Partial Loss of Rod Photoreceptors. *Cell reports*, 31(10), 107730.

Care RA, et al. (2019) Partial Cone Loss Triggers Synapse-Specific Remodeling and Spatial Receptive Field Rearrangements in a Mature Retinal Circuit. *Cell reports*, 27(7), 2171.

Strettoi E, et al. (2018) All amacrine cells in the primate fovea contribute to photopic vision. *Scientific reports*, 8(1), 16429.

Christiansen AT, et al. (2018) Localization, distribution, and connectivity of neuropeptide Y in the human and porcine retinas-A comparative study. *The Journal of comparative neurology*, 526(12), 1877.

Johnson RE, et al. (2017) Homeostatic plasticity shapes the visual system's first synapse. *Nature communications*, 8(1), 1220.

Hannibal J, et al. (2017) Melanopsin expressing human retinal ganglion cells: Subtypes, distribution, and intraretinal connectivity. *The Journal of comparative neurology*, 525(8), 1934.

Clements R, et al. (2017) Dystroglycan Maintains Inner Limiting Membrane Integrity to Coordinate Retinal Development. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(35), 8559.

Esquiva G, et al. (2016) Non-image Forming Light Detection by Melanopsin, Rhodopsin, and Long-Middlewave (L/W) Cone Opsin in the Subterranean Blind Mole Rat, *Spalax Ehrenbergi*: Immunohistochemical Characterization, Distribution, and Connectivity. *Frontiers in neuroanatomy*, 10, 61.

Weltzien F, et al. (2015) Analysis of bipolar and amacrine populations in marmoset retina. *The Journal of comparative neurology*, 523(2), 313.

Nivison-Smith L, et al. (2013) Mapping kainate activation of inner neurons in the rat retina. *The Journal of comparative neurology*, 521(11), 2416.

Downie LE, et al. (2010) Angiotensin type-1 receptor inhibition is neuroprotective to amacrine cells in a rat model of retinopathy of prematurity. *The Journal of comparative neurology*, 518(1), 41.

Puthussery T, et al. (2010) Localization of the calcium-binding protein secretagogin in cone bipolar cells of the mammalian retina. *The Journal of comparative neurology*, 518(4), 513.

Sulaiman P, et al. (2010) Ret-PCP2 colocalizes with protein kinase C in a subset of primate ON cone bipolar cells. *The Journal of comparative neurology*, 518(7), 1098.

Chua J, et al. (2009) Functional remodeling of glutamate receptors by inner retinal neurons occurs from an early stage of retinal degeneration. *The Journal of comparative neurology*, 514(5), 473.