

Resource Summary Report

Generated by [RRID](#) on Sep 10, 2026

EB1

RRID:AB_397891

Type: Antibody

Proper Citation

BD Biosciences Cat# 610534, RRID:AB_397891

Antibody Information

URL: http://antibodyregistry.org/AB_397891

Proper Citation: BD Biosciences Cat# 610534, RRID:AB_397891

Target Antigen: EB1

Host Organism: mouse

Clonality: monoclonal

Comments: Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Western blot

Antibody Name: EB1

Description: This monoclonal targets EB1

Target Organism: chicken, rat, mouse, chickenbird, human

Antibody ID: AB_397891

Vendor: BD Biosciences

Catalog Number: 610534

Record Creation Time: 20231110T080842+0000

Record Last Update: 20260829T130026+0000

Ratings and Alerts

No rating or validation information has been found for EB1.

No alerts have been found for EB1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Zhao G, et al. (2026) Kinetochore proteins control microtubule dynamics in postmitotic neurons to regulate the formation of dendritic spines. *Proceedings of the National Academy of Sciences of the United States of America*, 123(18), e2520684123.

Hu C, et al. (2025) Condensation-dependent multivalent interactions of EB1 and CENP-R regulate chromosome oscillations in mitosis. *Cell reports*, 44(5), 115560.

Islam A, et al. (2024) Search for chromosomal instability aiding variants reveal naturally occurring kinetochore gene variants that perturb chromosome segregation. *iScience*, 27(3), 109007.

Bu T, et al. (2024) The Planar Cell Polarity Protein Fat1 in Sertoli Cell Function. *Endocrinology*, 165(6).

Wang L, et al. (2024) Map-1a regulates Sertoli cell BTB dynamics through the cytoskeletal organization of microtubule and F-actin. *Reproductive biology and endocrinology : RB&E*, 22(1), 36.

Wu J, et al. (2023) Microtubule nucleation from the fibrous corona by LIC1-pericentrin promotes chromosome congression. *Current biology : CB*, 33(5), 912.

Muys BR, et al. (2023) Matrin3 regulates mitotic spindle dynamics by controlling alternative splicing of CDC14B. *Cell reports*, 42(3), 112260.

Dema A, et al. (2023) Growth cone advance requires EB1 as revealed by genomic replacement with a light-sensitive variant. *eLife*, 12.

Bu T, et al. (2023) Regulation of Sertoli cell function by planar cell polarity (PCP) protein Fjx1. *Molecular and cellular endocrinology*, 571, 111936.

Li L, et al. (2022) PCP Protein Inversin Regulates Testis Function Through Changes in Cytoskeletal Organization of Actin and Microtubules. *Endocrinology*, 163(4).

Tang EI, et al. (2022) MARK2 and MARK4 Regulate Sertoli Cell BTB Dynamics Through Microtubule and Actin Cytoskeletons. *Endocrinology*, 163(11).

Xie W, et al. (2022) CYLD deubiquitinates plakoglobin to promote Cx43 membrane targeting and gap junction assembly in the heart. *Cell reports*, 41(13), 111864.

Wu S, et al. (2021) HIV-1 Establishes a Sanctuary Site in the Testis by Permeating the BTB Through Changes in Cytoskeletal Organization. *Endocrinology*, 162(11).

Chan ZC, et al. (2020) Site-directed MT1-MMP trafficking and surface insertion regulate AChR clustering and remodeling at developing NMJs. *eLife*, 9.

Li H, et al. (2020) NC1-Peptide From Collagen $\alpha 1(\text{IV})$ Chains in the Basement Membrane of Testes Regulates Spermatogenesis via p-FAK-Y407. *Endocrinology*, 161(10).

Juanes MA, et al. (2020) EB1 Directly Regulates APC-Mediated Actin Nucleation. *Current biology : CB*, 30(23), 4763.

Wen Q, et al. (2019) Myosin VIIa Supports Spermatid/Organelle Transport and Cell Adhesion During Spermatogenesis in the Rat Testis. *Endocrinology*, 160(3), 484.

Su W, et al. (2019) Cdc42 is involved in NC1 peptide-regulated BTB dynamics through actin and microtubule cytoskeletal reorganization. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 33(12), 14461.

Wen Q, et al. (2018) Actin nucleator Spire 1 is a regulator of ectoplasmic specialization in the testis. *Cell death & disease*, 9(2), 208.

Wen Q, et al. (2018) Dynein 1 supports spermatid transport and spermiation during spermatogenesis in the rat testis. *American journal of physiology. Endocrinology and metabolism*, 315(5), E924.