

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

MARK4 Antibody

RRID:AB_2140610

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4834, RRID:AB_2140610

Antibody Information

URL: http://antibodyregistry.org/AB_2140610

Proper Citation: Cell Signaling Technology Cat# 4834, RRID:AB_2140610

Target Antigen: MARK4

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W. Consolidation on 9/2016: AB_10694502.

Antibody Name: MARK4 Antibody

Description: This polyclonal targets MARK4

Target Organism: rat, h, m, mouse, r, human

Antibody ID: AB_2140610

Vendor: Cell Signaling Technology

Catalog Number: 4834

Alternative Catalog Numbers: 4834S

Record Creation Time: 20250820T010743+0000

Record Last Update: 20250820T100615+0000

Ratings and Alerts

No rating or validation information has been found for MARK4 Antibody.

No alerts have been found for MARK4 Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Saleme B, et al. (2025) Hyperacute response proteins synthesized on γ -tubulin-FTO-MARK4 translation microdomains regulate cancer's acute stress response. *Cell reports*, 44(7), 115871.

Sultanakhmetov G, et al. (2024) Mark4 ablation attenuates pathological phenotypes in a mouse model of tauopathy. *Brain communications*, 6(3), fcae136.

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).

Wu S, et al. (2021) AKAP9 supports spermatogenesis through its effects on microtubule and actin cytoskeletons in the rat testis. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(10), e21925.

Imai S, et al. (2021) *Helicobacter pylori* CagA elicits BRCAness to induce genome instability that may underlie bacterial gastric carcinogenesis. *Cell host & microbe*, 29(6), 941.

Wang L, et al. (2021) The Non-hormonal Male Contraceptive Adjudin Exerts its Effects via MAPs and Signaling Proteins mTORC1/rpS6 and FAK-Y407. *Endocrinology*, 162(1).

Wu S, et al. (2021) KIF15 supports spermatogenesis via its effects on Sertoli cell microtubule, actin, vimentin, and septin cytoskeletons. *Endocrinology*, 162(4).

Li H, et al. (2020) NC1-Peptide From Collagen α 3 (IV) Chains in the Basement Membrane of Testes Regulates Spermatogenesis via p-FAK-Y407. *Endocrinology*, 161(10).

Liu S, et al. (2020) NC1-peptide regulates spermatogenesis through changes in cytoskeletal organization mediated by EB1. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 34(2), 3105.

Li L, et al. (2019) Planar cell polarity protein Dishevelled 3 (Dvl3) regulates ectoplasmic specialization (ES) dynamics in the testis through changes in cytoskeletal organization. *Cell death & disease*, 10(3), 194.

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.

Li L, et al. (2017) Sperm Release at Spermiation Is Regulated by Changes in the Organization of Actin- and Microtubule-Based Cytoskeletons at the Apical Ectoplasmic Specialization-A Study Using the Adjudin Model. *Endocrinology*, 158(12), 4300.