

Resource Summary Report

Generated by [RRID](#) on Jul 31, 2026

Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (D13.14.4E) XP Rabbit mAb (Biotinylated)

RRID:AB_10694057

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4094, RRID:AB_10694057

Antibody Information

URL: http://antibodyregistry.org/AB_10694057

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Target Antigen: Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (D13.14.4E) XP Rabbit mAb (ylated)

Host Organism: rabbit

Clonality: monoclonal

Comments: manufacturer recommendations: Western Blot; Flow Cytometry; Western blot,Flow cytometry; The following antibodies were determined to be duplicates and consolidated by curator on 10/2018: AB_10694057, AB_1903969.

Antibody Name: Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (D13.14.4E) XP Rabbit mAb (Biotinylated)

Description: This monoclonal targets Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (D13.14.4E) XP Rabbit mAb (ylated)

Target Organism: b, rat, drosophilaarthropod, hm, hamster, porcine, h, dm, m, yeastfungi, sc, mouse, r, zebrafishfish, pg, bovine, z, mi, human, mk

Antibody ID: AB_10694057

Vendor: Cell Signaling Technology

Catalog Number: 4094

Record Creation Time: 20250819T212028+0000

Record Last Update: 20250819T223818+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (D13.14.4E) XP Rabbit mAb (Biotinylated).

No alerts have been found for Phospho-p44/42 MAPK (Erk1/2) (Thr202/Tyr204) (D13.14.4E) XP Rabbit mAb (Biotinylated).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Dacheux MA, et al. (2025) BRAFV600E-Driven Lung Tumorigenesis Requires Ligand-Mediated Activation of ERBB Receptor Signaling. *bioRxiv : the preprint server for biology*.

Li J, et al. (2025) ER-PM tether Syt1 limits cell-to-cell connectivity via plasmodesmata during innate immune responses in Arabidopsis. *Cell reports*, 44(5), 115672.

Englisch AS, et al. (2024) Ankrd26 is a retinoic acid-responsive plasma membrane-binding and -shaping protein critical for proper cell differentiation. *Cell reports*, 43(3), 113939.

Zhang Z, et al. (2024) Photobiomodulation inhibits the expression of chondroitin sulfate proteoglycans after spinal cord injury via the Sox9 pathway. *Neural regeneration research*, 19(1), 180.

Xu X, et al. (2023) Sox10 escalates vascular inflammation by mediating vascular smooth muscle cell transdifferentiation and pyroptosis in neointimal hyperplasia. *Cell reports*, 42(8), 112869.

Funasaki S, et al. (2023) A stepwise and digital pattern of RSK phosphorylation determines the outcome of thymic selection. *iScience*, 26(9), 107552.

Zhai L, et al. (2023) *Ruminococcus gnavus* plays a pathogenic role in diarrhea-predominant irritable bowel syndrome by increasing serotonin biosynthesis. *Cell host & microbe*, 31(1), 33.

da Silva-Oliveira RJ, et al. (2022) Efficacy of Combined Use of Everolimus and Second-Generation Pan-EGFR Inhibitors in KRAS Mutant Non-Small Cell Lung Cancer Cell Lines. *International journal of molecular sciences*, 23(14).

Kuriyama S, et al. (2022) Pigment Epithelium Derived Factor Is Involved in the Late Phase of Osteosarcoma Metastasis by Increasing Extravasation and Cell-Cell Adhesion. *Frontiers in oncology*, 12, 818182.

Peng Q, et al. (2022) miR-155 activates the NLRP3 inflammasome by regulating the MEK/ERK/NF- κ B pathway in carotid atherosclerotic plaques in ApoE^{-/-} mice. *Journal of physiology and biochemistry*, 78(2), 365.

Vaishnavi A, et al. (2022) Transposon Mutagenesis Reveals RBMS3 Silencing as a Promoter of Malignant Progression of BRAFV600E-Driven Lung Tumorigenesis. *Cancer research*, 82(22), 4261.

Lazarian G, et al. (2021) A hotspot mutation in transcription factor IKZF3 drives B cell neoplasia via transcriptional dysregulation. *Cancer cell*, 39(3), 380.

Alexander AF, et al. (2021) Single-cell secretion analysis reveals a dual role for IL-10 in restraining and resolving the TLR4-induced inflammatory response. *Cell reports*, 36(12), 109728.

Chen L, et al. (2021) Remodeling-defective GPI-anchored proteins on the plasma membrane activate the spindle assembly checkpoint. *Cell reports*, 37(13), 110120.

Vaishnavi A, et al. (2020) Inhibition of MEK1/2 Forestalls the Onset of Acquired Resistance to Entrectinib in Multiple Models of NTRK1-Driven Cancer. *Cell reports*, 32(5), 107994.

Bolan PO, et al. (2020) Genotype-Fitness Maps of EGFR-Mutant Lung Adenocarcinoma Chart the Evolutionary Landscape of Resistance for Combination Therapy Optimization. *Cell systems*, 10(1), 52.

Yin S, et al. (2019) A Murine Model of Chronic Lymphocytic Leukemia Based on B Cell-Restricted Expression of Sf3b1 Mutation and Atm Deletion. *Cancer cell*, 35(2), 283.

Bonanomi D, et al. (2019) p190RhoGAP Filters Competing Signals to Resolve Axon Guidance Conflicts. *Neuron*, 102(3), 602.

Brian BF, et al. (2019) Unique-region phosphorylation targets LynA for rapid degradation, tuning its expression and signaling in myeloid cells. *eLife*, 8.

Merlo E, et al. (2018) A Novel Retrieval-Dependent Memory Process Revealed by the Arrest of ERK1/2 Activation in the Basolateral Amygdala. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(13), 3199.