

Resource Summary Report

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Mouse Anti-Phosphotyrosine Recombinant 4g10 Monoclonal antibody, Unconjugated, Clone 4g10

RRID:AB_309678

Type: Antibody

Proper Citation

(Millipore Cat# 05-321, RRID:AB_309678)

Antibody Information

URL: http://antibodyregistry.org/AB_309678

Proper Citation: (Millipore Cat# 05-321, RRID:AB_309678)

Target Antigen: Phosphotyrosine

Host Organism: mouse

Clonality: monoclonal

Comments: seller recommendations: Immunocytochemistry; Immunohistochemistry; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation

Antibody Name: Mouse Anti-Phosphotyrosine Recombinant 4g10 Monoclonal antibody, Unconjugated, Clone 4g10

Description: This monoclonal targets Phosphotyrosine

Target Organism: all

Clone ID: Clone 4G10

Defining Citation: [PMID:20853516](#)

Antibody ID: AB_309678

Vendor: Millipore

Catalog Number: 05-321

Record Creation Time: 20241017T002551+0000

Record Last Update: 20241017T021109+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Phosphotyrosine Recombinant 4g10 Monoclonal antibody, Unconjugated, Clone 4g10.

No alerts have been found for Mouse Anti-Phosphotyrosine Recombinant 4g10 Monoclonal antibody, Unconjugated, Clone 4g10.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 86 mentions in open access literature.

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

Chandía-Cristi A, et al. (2024) Prophylactic treatment with the c-Abl inhibitor, neurotinib, diminishes neuronal damage and the convulsive state in pilocarpine-induced mice. Cell reports, 43(5), 114144.

Hoque M, et al. (2024) The Cby3/ciBAR1 complex positions the annulus along the sperm flagellum during spermiogenesis. The Journal of cell biology, 223(3).

Chhabra Y, et al. (2023) Tyrosine kinases compete for growth hormone receptor binding and regulate receptor mobility and degradation. Cell reports, 42(5), 112490.

Boutet A, et al. (2023) ArfGAP1 regulates the endosomal sorting of guidance receptors to promote directed collective cell migration in vivo. iScience, 26(8), 107467.

Yang B, et al. (2023) Creatine kinase brain-type regulates BCAR1 phosphorylation to facilitate DNA damage repair. iScience, 26(5), 106684.

Backe SJ, et al. (2023) Activation of autophagy depends on Atg1/Ulk1-mediated phosphorylation and inhibition of the Hsp90 chaperone machinery. Cell reports, 42(7), 112807.

Huang Q, et al. (2023) DAB2IP suppresses invadopodia formation through destabilizing ALK by interacting with USP10 in breast cancer. *iScience*, 26(9), 107606.

Guan F, et al. (2023) GSDMA3 deficiency reprograms cellular metabolism and modulates BCR signaling in murine B cells. *iScience*, 26(8), 107341.

Hung PH, et al. (2023) Differential Hsp90-dependent gene expression is strain-specific and common among yeast strains. *iScience*, 26(5), 106635.

Kim J, et al. (2023) Evolutionarily conserved regulators of tau identify targets for new therapies. *Neuron*, 111(6), 824.

Mao Y, et al. (2022) Citrulline depletion by ASS1 is required for proinflammatory macrophage activation and immune responses. *Molecular cell*, 82(3), 527.

Banerjee SL, et al. (2022) EPH receptor tyrosine kinases phosphorylate the PAR-3 scaffold protein to modulate downstream signaling networks. *Cell reports*, 40(1), 111031.

Backe SJ, et al. (2022) A specialized Hsp90 co-chaperone network regulates steroid hormone receptor response to ligand. *Cell reports*, 40(2), 111039.

Ferng TT, et al. (2022) The Irreversible FLT3 Inhibitor FF-10101 Is Active Against a Diversity of FLT3 Inhibitor Resistance Mechanisms. *Molecular cancer therapeutics*, 21(5), 844.

Wang H, et al. (2022) Reassessment of the Proteomic Composition and Function of Extracellular Vesicles in the Seminal Plasma. *Endocrinology*, 163(1).

Yan Y, et al. (2022) ASH1L haploinsufficiency results in autistic-like phenotypes in mice and links Eph receptor gene to autism spectrum disorder. *Neuron*, 110(7), 1156.

Hwang JY, et al. (2022) C2cd6-encoded CatSper? targets sperm calcium channel to Ca²⁺ signaling domains in the flagellar membrane. *Cell reports*, 38(3), 110226.

Chava S, et al. (2022) Betacellulin promotes tumor development and EGFR mutant lung cancer growth by stimulating the EGFR pathway and suppressing apoptosis. *iScience*, 25(5), 104211.

McKernan CM, et al. (2022) ABL kinases regulate translation in HER2+ cells through Y-box-binding protein 1 to facilitate colonization of the brain. *Cell reports*, 40(9), 111268.

Carvajal-Serna M, et al. (2021) Sperm Behavior and Response to Melatonin under Capacitating Conditions in Three Sheep Breeds Subject to the Equatorial Photoperiod. *Animals : an open access journal from MDPI*, 11(6).