

Resource Summary Report

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Phospho-Pyk2 (Tyr402) Antibody

RRID:AB_2300530

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 3291, RRID:AB_2300530)

Antibody Information

URL: http://antibodyregistry.org/AB_2300530

Proper Citation: (Cell Signaling Technology Cat# 3291, RRID:AB_2300530)

Target Antigen: Phospho-Pyk2 (Tyr402)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W, IP

Antibody Name: Phospho-Pyk2 (Tyr402) Antibody

Description: This polyclonal targets Phospho-Pyk2 (Tyr402)

Target Organism: mouse, human

Antibody ID: AB_2300530

Vendor: Cell Signaling Technology

Catalog Number: 3291

Alternative Catalog Numbers: 3291S

Record Creation Time: 20231110T081402+0000

Record Last Update: 20241115T104849+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-Pyk2 (Tyr402) Antibody.

No alerts have been found for Phospho-Pyk2 (Tyr402) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Erkens R, et al. (2024) Inhibition of proline-rich tyrosine kinase 2 restores cardioprotection by remote ischaemic preconditioning in type 2 diabetes. British journal of pharmacology, 181(21), 4174.

Sequeira MK, et al. (2023) Cocaine and habit training cause dendritic spine rearrangement in the prelimbic cortex. iScience, 26(4), 106240.

Luo J, et al. (2023) Lipids regulate peripheral serotonin release via gut CD1d. Immunity, 56(7), 1533.

Kim K, et al. (2023) Cell Competition Shapes Metastatic Latency and Relapse. Cancer discovery, 13(1), 85.

Wang D, et al. (2022) SIRP? maintains macrophage homeostasis by interacting with PTK2B kinase in Mycobacterium tuberculosis infection and through autophagy and necroptosis. EBioMedicine, 85, 104278.

Yang CC, et al. (2022) HO-1 Upregulation by Kaempferol via ROS-Dependent Nrf2-ARE Cascade Attenuates Lipopolysaccharide-Mediated Intercellular Cell Adhesion Molecule-1 Expression in Human Pulmonary Alveolar Epithelial Cells. Antioxidants (Basel, Switzerland), 11(4).

Brody AH, et al. (2022) Alzheimer risk gene product Pyk2 suppresses tau phosphorylation and phenotypic effects of tauopathy. Molecular neurodegeneration, 17(1), 32.

Nguyen GT, et al. (2021) Neutrophils require SKAP2 for reactive oxygen species production following C-type lectin and Candida stimulation. iScience, 24(8), 102871.

Kilinc D, et al. (2020) Pyk2 overexpression in postsynaptic neurons blocks amyloid ?1-42-induced synaptotoxicity in microfluidic co-cultures. Brain communications, 2(2), fcaa139.

Nguyen GT, et al. (2020) SKAP2 is required for defense against *K. pneumoniae* infection and neutrophil respiratory burst. *eLife*, 9.

Rastogi M, et al. (2020) Zika virus NS1 affects the junctional integrity of human brain microvascular endothelial cells. *Biochimie*, 176, 52.

Mallozzi C, et al. (2020) The activity of the Striatal-enriched protein tyrosine phosphatase in neuronal cells is modulated by adenosine A2A receptor. *Journal of neurochemistry*, 152(3), 284.

Paoletti A, et al. (2019) HIV-1 Envelope Overcomes NLRP3-Mediated Inhibition of F-Actin Polymerization for Viral Entry. *Cell reports*, 28(13), 3381.

Chen P, et al. (2019) Symbiotic Macrophage-Glioma Cell Interactions Reveal Synthetic Lethality in PTEN-Null Glioma. *Cancer cell*, 35(6), 868.

Jia C, et al. (2019) Vitronectin from brain pericytes promotes adult forebrain neurogenesis by stimulating CNTF. *Experimental neurology*, 312, 20.

Takahashi N, et al. (2018) Cancer Cells Co-opt the Neuronal Redox-Sensing Channel TRPA1 to Promote Oxidative-Stress Tolerance. *Cancer cell*, 33(6), 985.

Keasey MP, et al. (2018) Blood vitronectin is a major activator of LIF and IL-6 in the brain through integrin-FAK and uPAR signaling. *Journal of cell science*, 131(3).

Cho RL, et al. (2018) Haem oxygenase-1 up-regulation by rosiglitazone via ROS-dependent Nrf2-antioxidant response elements axis or PPAR γ attenuates LPS-mediated lung inflammation. *British journal of pharmacology*, 175(20), 3928.

Nicodemo AA, et al. (2010) Pyk2 uncouples metabotropic glutamate receptor G protein signaling but facilitates ERK1/2 activation. *Molecular brain*, 3, 4.