

Resource Summary Report

Generated by [RRID](#) on Sep 11, 2026

Phospho-PERK (Thr980) (16F8) Rabbit mAb

RRID:AB_2095853

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3179, RRID:AB_2095853

Antibody Information

URL: http://antibodyregistry.org/AB_2095853

Proper Citation: Cell Signaling Technology Cat# 3179, RRID:AB_2095853

Target Antigen: Phospho-PERK (Thr980)

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: WB

Consolidation on 10/2018: AB_10171200, AB_10175170, AB_2095850, AB_2095853.

Antibody Name: Phospho-PERK (Thr980) (16F8) Rabbit mAb

Description: This recombinant monoclonal targets Phospho-PERK (Thr980)

Target Organism: rat, mouse, human

Clone ID: 16F8

Antibody ID: AB_2095853

Vendor: Cell Signaling Technology

Catalog Number: 3179

Record Creation Time: 20231110T050538+0000

Record Last Update: 20260901T042245+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-PERK (Thr980) (16F8) Rabbit mAb.

No alerts have been found for Phospho-PERK (Thr980) (16F8) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 75 mentions in open access literature.

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

Wu H, et al. (2026) Triglycerides induce endoplasmic reticulum lipid bilayer stress to activate PERK and enhance antifungal immunity. Cell reports, 45(2), 116976.

Liao Y, et al. (2026) Neuroserpin alleviates cerebral ischemia-reperfusion injury by suppressing ischemia-induced endoplasmic reticulum stress. Neural regeneration research, 21(1), 333.

Chen YL, et al. (2026) Endometrial stromal cell-derived TMAO sustains decidualization to prevent recurrent spontaneous abortion. Cell metabolism.

Jing J, et al. (2026) Recombinant tissue plasminogen activator protects neurons after intracerebral hemorrhage through activating the PI3K/AKT/mTOR pathway. Neural regeneration research, 21(4), 1574.

Fu Y, et al. (2026) ALG6 orchestrates coronavirus replication via the endoplasmic reticulum stress-autophagy axis. Cell reports, 45(4), 117108.

He Y, et al. (2026) Rational discovery of therapeutic PAK1 allosteric activators. Cell, 189(11), 3444.

Li X, et al. (2025) Uric Acid Causes Pancreatic ? Cell Death and Dysfunction via Modulating CHOP-Mediated Endoplasmic Reticulum Stress Pathways. Diseases (Basel, Switzerland), 13(7).

Wu CY, et al. (2025) Glucose restriction shapes pre-metastatic innate immune landscapes in the lung through exosomal TRAIL. Cell.

Chen K, et al. (2025) Selective removal of astrocytic PERK protects against glymphatic impairment and decreases toxic aggregation of ?-amyloid and tau. Neuron, 113(15), 2438.

Fecher C, et al. (2025) Resting Ca²⁺ fluxes protect cells from fast mitochondrial fragmentation, cell stress responses, and immediate transcriptional reprogramming. Cellular and molecular life sciences : CMLS, 82(1), 238.

Hu Q, et al. (2025) circATF6 triggers calcium overload to synergize with EGFR-TKI in non-small cell lung cancer via modulation of proteostasis. *Cell reports*, 44(12), 116659.

Zheng J, et al. (2025) Endoplasmic reticulum stress and autophagy in cerebral ischemia/reperfusion injury: PERK as a potential target for intervention. *Neural regeneration research*, 20(5), 1455.

Li X, et al. (2025) Accumulation of Damaging Lipids in the Arf1-Ablated Neurons Promotes Neurodegeneration through Releasing mtDNA and Activating Inflammatory Pathways in Microglia. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(16), e2414260.

Feng NN, et al. (2025) Ceftriaxone ameliorates tau phosphorylation and mislocalization in APP/PS1 AD mice by inhibiting endoplasmic reticulum stress. *Neuropharmacology*, 279, 110600.

Wang X, et al. (2025) Inhibition of Histone Deacetylases Induces Cancer Cell Apoptosis Through the PERK Pathway of ER Stress Response. *Journal of cellular and molecular medicine*, 29(21), e70928.

Gui L, et al. (2025) Targeting the mevalonate pathway potentiates NUA1 inhibition-induced immunogenic cell death and antitumor immunity. *Cell reports. Medicine*, 6(2), 101913.

Qian Q, et al. (2024) Obesity disrupts the pituitary-hepatic UPR communication leading to NAFLD progression. *Cell metabolism*, 36(7), 1550.

De Leo A, et al. (2024) Glucose-driven histone lactylation promotes the immunosuppressive activity of monocyte-derived macrophages in glioblastoma. *Immunity*, 57(5), 1105.

Andres M, et al. (2024) Insulin-degrading enzyme inhibition increases the unfolded protein response and favours lipid accumulation in the liver. *British journal of pharmacology*, 181(19), 3610.

Dai Y, et al. (2024) Thromboxane A2/thromboxane A2 receptor axis facilitates hepatic insulin resistance and steatosis through endoplasmic reticulum stress in non-alcoholic fatty liver disease. *British journal of pharmacology*, 181(7), 967.