

Resource Summary Report

Generated by [RRID](#) on Aug 1, 2026

TBK1/NAK (D1B4) XP(tm) Rabbit mAb

RRID:AB_2255663

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3504, RRID:AB_2255663

Antibody Information

URL: http://antibodyregistry.org/AB_2255663

Proper Citation: Cell Signaling Technology Cat# 3504, RRID:AB_2255663

Target Antigen: Tbk1

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP

Antibody Name: TBK1/NAK (D1B4) XP(tm) Rabbit mAb

Description: This monoclonal targets Tbk1

Target Organism: rat, mouse, human

Antibody ID: AB_2255663

Vendor: Cell Signaling Technology

Catalog Number: 3504

Record Creation Time: 20250820T015549+0000

Record Last Update: 20250820T121428+0000

Ratings and Alerts

No rating or validation information has been found for TBK1/NAK (D1B4) XP(tm) Rabbit mAb.

No alerts have been found for TBK1/NAK (D1B4) XP(tm) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 183 mentions in open access literature.

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

Han J, et al. (2026) A chemical agonist and the Golgi-resident lipid PI4P activate STING by inducing transmembrane helix rearrangement. *Immunity*, 59(1), 34.

Khan F, et al. (2026) Microglial TBK1 Signaling Promotes Breast Cancer Brain Metastasis. *Cancer research*, 86(1), 12.

Wu MM, et al. (2026) Macrophage PD-1 regulates energy expenditure and metabolic dysfunction under immune checkpoint blockade. *Cell metabolism*, 38(1), 208.

Hung C, et al. (2025) Mislocalization of nucleic acids is a convergent and targetable mechanism in Alzheimer's disease and frontotemporal dementia. *Cell reports*, 44(7), 115867.

Zhu L, et al. (2025) MPXV infection activates cGAS-STING signaling and IFN-I treatment reduces pathogenicity of mpox in CAST/EiJ mice and rhesus macaques. *Cell reports. Medicine*, 6(5), 102135.

Zhang F, et al. (2025) Nuclear U1 snRNA facilitates the dimerization of hnRNPA2B1 to enhance anti-DNA viral innate immunity. *Cell reports*, 44(11), 116462.

Cheng C, et al. (2025) Dual roles of TRPV2 in the innate immune response to cytosolic DNA: Arresting dormant and boosting activated STING. *Cell reports*, 45(1), 116745.

Zheng W, et al. (2025) Puromycin-sensitive aminopeptidase acts as an inhibitory auxiliary subunit of volume-regulated anion channels and regulates cGAMP transport. *Molecular cell*, 85(24), 4621.

Wang Y, et al. (2025) Innate immune and metabolic signals induce mitochondria-dependent membrane lysis via mitoxypertosis. *Cell*, 188(25), 7155.

Geng L, et al. (2025) Systematic profiling reveals betaine as an exercise mimetic for geroprotection. *Cell*.

Stokes C, et al. (2025) The human neural cell atlas of Zika virus infection in developing brain tissue. *Cell reports. Medicine*, 6(6), 102189.

Lu X, et al. (2025) E3 ligase SYVN1-mediated polyubiquitination of CPSF6 promotes alternative polyadenylation and antiviral effects of macrophages. *Cell reports*, 44(2), 115276.

Wang X, et al. (2025) The bridge-like lipid transport protein VPS13C/PARK23 mediates ER-lysosome contacts following lysosome damage. *Nature cell biology*, 27(5), 776.

Ludwig MP, et al. (2025) NF- κ B signaling directs a program of transient amplifications at innate immune response genes. *bioRxiv : the preprint server for biology*.

Zhao D, et al. (2025) MAVS phosphorylation acts as a cellular stress sensor that modulates antiviral immunity. *iScience*, 28(9), 113256.

Zhou J, et al. (2025) Herpes simplex virus type 1 disseminates from the cornea to the CNS in mice by thwarting type III interferon immune defenses. *Cell reports*, 44(12), 116581.

Poddar S, et al. (2025) ArfGAP2 promotes STING proton channel activity, cytokine transit, and autoinflammation. *Cell*, 188(6), 1605.

Mulkeen SC, et al. (2025) Reducing Dietary Protein Enhances the Antitumor Effects of Chemotherapy through Immune-Mediated Mechanisms. *Molecular cancer therapeutics*, 24(7), 1099.

Xu Y, et al. (2025) The cGAS-STING pathway activates transcription factor TFEB to stimulate lysosome biogenesis and pathogen clearance. *Immunity*, 58(2), 309.

Lai P, et al. (2025) Mitochondrial DNA released by senescent tumor cells enhances PMN-MDSC-driven immunosuppression through the cGAS-STING pathway. *Immunity*, 58(4), 811.