

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on May 24, 2025

IRAK1 (D51G7) XP Rabbit mAb

RRID:AB_1904032

Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 4504, RRID:AB_1904032)

Antibody Information

URL: http://antibodyregistry.org/AB_1904032

Proper Citation: (Cell Signaling Technology Cat# 4504, RRID:AB_1904032)

Target Antigen: IRAK1 (D51G7) XP Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP, F. Consolidation on 10/2018: AB_10484404, AB_10860079, AB_1904032.

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: IRAK1 (D51G7) XP Rabbit mAb

Description: This monoclonal targets IRAK1 (D51G7) XP Rabbit mAb

Target Organism: h, m, mouse, human, mk

Antibody ID: AB_1904032

Vendor: Cell Signaling Technology

Catalog Number: 4504

Record Creation Time: 20241016T224318+0000

Ratings and Alerts

- Independent validation by the NYU Langone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development
<https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

No alerts have been found for IRAK1 (D51G7) XP Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Pereira M, et al. (2024) The IRAK1/IRF5 axis initiates IL-12 response by dendritic cells and control of Toxoplasma gondii infection. Cell reports, 43(2), 113795.

Phelan JD, et al. (2024) Response to Bruton's tyrosine kinase inhibitors in aggressive lymphomas linked to chronic selective autophagy. Cancer cell, 42(2), 238.

Campbell GR, et al. (2023) IRAK1 inhibition blocks the HIV-1 RNA mediated pro-inflammatory cytokine response from microglia. The Journal of general virology, 104(5).

Pereira M, et al. (2022) The IRAK4 scaffold integrates TLR4-driven TRIF and MYD88 signaling pathways. Cell reports, 40(7), 111225.

Campbell GR, et al. (2022) Pacritinib Inhibition of IRAK1 Blocks Aberrant TLR8 Signalling by SARS-CoV-2 and HIV-1-Derived RNA. Journal of innate immunity, 1.

Wang S, et al. (2021) Role of extracellular microRNA-146a-5p in host innate immunity and bacterial sepsis. iScience, 24(12), 103441.

Sivakumaren SC, et al. (2020) Targeting the PI3P4K Lipid Kinase Family in Cancer Using Covalent Inhibitors. Cell chemical biology, 27(5), 525.