

Resource Summary Report

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

Phospho-SHP-2 (Tyr542) Antibody

RRID:AB_330825

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 3751, RRID:AB_330825

Antibody Information

URL: http://antibodyregistry.org/AB_330825

Proper Citation: Cell Signaling Technology Cat# 3751, RRID:AB_330825

Target Antigen: Phospho-SHP-2 (Tyr542)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W, IP. Consolidation on 10/2018: AB_10077484, AB_10858880, AB_330825.

Antibody Name: Phospho-SHP-2 (Tyr542) Antibody

Description: This polyclonal targets Phospho-SHP-2 (Tyr542)

Target Organism: c, rat, h, m, mouse, r, x, human, mk

Antibody ID: AB_330825

Vendor: Cell Signaling Technology

Catalog Number: 3751

Record Creation Time: 20231110T081345+0000

Record Last Update: 20260831T205813+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-SHP-2 (Tyr542) Antibody.

No alerts have been found for Phospho-SHP-2 (Tyr542) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Karunaraj P, et al. (2026) A hotspot phosphorylation site on SHP2 drives oncoprotein activation and drug resistance. Nature communications, 17(1).

Entrialgo-Cadierno R, et al. (2026) Anticancer activity of RAS-GTP inhibition in cholangiocarcinoma. Cancer cell, 44(6), 1218.

Kremmyda P, et al. (2026) SHP2 regulates VEGFR2 Y1175/PLC γ signaling to impair tumor endothelial barrier stability. iScience, 29(2), 114784.

Wang Q, et al. (2025) Shc1 cooperates with Frs2 and Shp2 to recruit Grb2 in FGF-induced lens development. eLife, 13.

Karunaraj P, et al. (2025) A Hotspot Phosphorylation Site on SHP2 Drives Oncoprotein Activation and Drug Resistance. bioRxiv : the preprint server for biology.

Feng Y, et al. (2025) TBK1 phagosomal recruitment enhances antifungal immunity via positive feedback regulation with SRC. Cell reports, 44(7), 115972.

Karunaraj P, et al. (2025) A Hotspot Phosphorylation Site on SHP2 Drives Oncoprotein Activation and Drug Resistance. Research square.

Wang Y, et al. (2024) Discovery of galectin-8 as an LILRB4 ligand driving M-MDSCs defines a class of antibodies to fight solid tumors. Cell reports. Medicine, 5(1), 101374.

Cai J, et al. (2022) High-risk neuroblastoma with NF1 loss of function is targetable using SHP2 inhibition. Cell reports, 40(4), 111095.

Vögtle T, et al. (2019) Heparan sulfates are critical regulators of the inhibitory megakaryocyte-platelet receptor G6b-B. eLife, 8.

Ng PK, et al. (2018) Systematic Functional Annotation of Somatic Mutations in Cancer. Cancer cell, 33(3), 450.

Sokol CL, et al. (2018) The Chemokine Receptor CCR8 Promotes the Migration of Dendritic Cells into the Lymph Node Parenchyma to Initiate the Allergic Immune Response. Immunity, 49(3), 449.