

# Resource Summary Report

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## Akt1 (B-1)

RRID:AB\_626658

Type: Antibody

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### Proper Citation

(Santa Cruz Biotechnology Cat# sc-5298, RRID:AB\_626658)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_626658](http://antibodyregistry.org/AB_626658)

**Proper Citation:** (Santa Cruz Biotechnology Cat# sc-5298, RRID:AB\_626658)

**Target Antigen:** AKT1

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** validation status unknown check with seller; recommendations: ELISA; Flow Cytometry; Immunofluorescence; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, Flow Cytometry, ELISA

**Antibody Name:** Akt1 (B-1)

**Description:** This monoclonal targets AKT1

**Target Organism:** rat, mouse, human

**Clone ID:** B-1

**Antibody ID:** AB\_626658

**Vendor:** Santa Cruz Biotechnology

**Catalog Number:** sc-5298

**Record Creation Time:** 20231110T043818+0000

**Record Last Update:** 20241115T105332+0000

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## Ratings and Alerts

No rating or validation information has been found for Akt1 (B-1).

No alerts have been found for Akt1 (B-1).

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Kuo CY, et al. (2025) The protective effects of liraglutide in reducing lipid droplets accumulation and myocardial fibrosis in diabetic cardiomyopathy. Cellular and molecular life sciences : CMLS, 82(1), 39.

Scarcella M, et al. (2024) Metabolic rewiring and autophagy inhibition correct lysosomal storage disease in mucopolysaccharidosis IIIB. iScience, 27(3), 108959.

Zhang Q, et al. (2024) EZH2/G9a interact to mediate drug resistance in non-small-cell lung cancer by regulating the SMAD4/ERK/c-Myc signaling axis. Cell reports, 43(2), 113714.

Li Z, et al. (2023) Low molecular weight fucoidan restores diabetic endothelial glycocalyx by targeting neuraminidase2: A new therapy target in glycocalyx shedding. British journal of pharmacology.

Cha Y, et al. (2021) SIRT2 regulates mitochondrial dynamics and reprogramming via MEK1-ERK-DRP1 and AKT1-DRP1 axes. Cell reports, 37(13), 110155.

Huang LJ, et al. (2021) Multiomics analyses reveal a critical role of selenium in controlling T cell differentiation in Crohn's disease. Immunity, 54(8), 1728.

Chen K, et al. (2020) Endogenous Cyclin D1 Promotes the Rate of Onset and Magnitude of Mitogenic Signaling via Akt1 Ser473 Phosphorylation. Cell reports, 32(11), 108151.

Zhu H, et al. (2019) Parvifoline AA Promotes Susceptibility of Hepatocarcinoma to Natural Killer Cell-Mediated Cytolysis by Targeting Peroxiredoxin. Cell chemical biology, 26(8), 1122.

Li J, et al. (2019) Multi-targeting chemoprevention of Chinese herb formula Yanghe Huayan decoction on experimentally induced mammary tumorigenesis. BMC complementary and alternative medicine, 19(1), 48.

Hu HL, et al. (2019) TOP2 $\beta$ -Dependent Nuclear DNA Damage Shapes Extracellular Growth

Factor Responses via Dynamic AKT Phosphorylation to Control Virus Latency. *Molecular cell*, 74(3), 466.

Fujimoto BA, et al. (2019) The exocyst complex regulates insulin-stimulated glucose uptake of skeletal muscle cells. *American journal of physiology. Endocrinology and metabolism*, 317(6), E957.

Tsuneki H, et al. (2016) Timed Inhibition of Orexin System by Suvorexant Improved Sleep and Glucose Metabolism in Type 2 Diabetic db/db Mice. *Endocrinology*, 157(11), 4146.

Bogazzi F, et al. (2013) Growth hormone is necessary for the p53-mediated, obesity-induced insulin resistance in male C57BL/6J x CBA mice. *Endocrinology*, 154(11), 4226.