

Resource Summary Report

Generated by [NIF](#) on Sep 9, 2026

pcDNA3 Hygro HA Akt2

RRID:Addgene_16000

Type: Plasmid

Proper Citation

RRID:Addgene_16000

Plasmid Information

URL: <http://www.addgene.org/16000>

Proper Citation: RRID:Addgene_16000

Insert Name: Akt2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5600; Vector Backbone:pcDNA3.1(+)/Hygro; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: There is a silent mutation at Arg552 (CGA to CGG).

Plasmid Name: pcDNA3 Hygro HA Akt2

Record Creation Time: 20220422T221906+0000

Record Last Update: 20260905T075035+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3 Hygro HA Akt2.

No alerts have been found for pcDNA3 Hygro HA Akt2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Wu XJ, et al. (2023) Kaposi's sarcoma-associated herpesvirus viral protein kinase augments cell survival. *Cell death & disease*, 14(10), 688.

Chen M, et al. (2022) A p53-phosphoinositide signalosome regulates nuclear AKT activation. *Nature cell biology*, 24(7), 1099.

Shrestha Bhattarai T, et al. (2022) AKT mutant allele-specific activation dictates pharmacologic sensitivities. *Nature communications*, 13(1), 2111.

Ratovitski EA, et al. (2015) Delta Np63 alpha – Responsive microRNA Modulate the Expression of Metabolic Enzymes. *Current pharmaceutical biotechnology*, 16(9), 832.

Kang W, et al. (2014) let-7b/g silencing activates AKT signaling to promote gastric carcinogenesis. *Journal of translational medicine*, 12, 281.

Saoncella S, et al. (2014) Nuclear Akt2 opposes limbal keratinocyte stem cell self-renewal by repressing a FOXO-mTORC1 signaling pathway. *Stem cells (Dayton, Ohio)*, 32(3), 754.

Sully K, et al. (2013) The mTOR inhibitor rapamycin opposes carcinogenic changes to epidermal Akt1/PKB β isoform signaling. *Oncogene*, 32(27), 3254.

Wolf A, et al. (2013) Insulin signaling via Akt2 switches plakophilin 1 function from stabilizing cell adhesion to promoting cell proliferation. *Journal of cell science*, 126(Pt 8), 1832.

Virtakoivu R, et al. (2012) Distinct roles of AKT isoforms in regulating α 1-integrin activity, migration, and invasion in prostate cancer. *Molecular biology of the cell*, 23(17), 3357.