# Resource Summary Report

Generated by RRID on Aug 25, 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:** 20260815T080834+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 RRID .

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? 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 ?1-integrin activity, migration, and invasion in prostate cancer. Molecular biology of the cell, 23(17), 3357.