

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

HER2 CA (V659E)

RRID:Addgene_16259

Type: Plasmid

Proper Citation

RRID:Addgene_16259

Plasmid Information

URL: <http://www.addgene.org/16259>

Proper Citation: RRID:Addgene_16259

Insert Name: HER2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15542430](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: HER2 CA (V659E)

Relevant Mutation: Constitutively active: V659E

Record Creation Time: 20220422T221919+0000

Record Last Update: 20260815T080903+0000

Ratings and Alerts

No rating or validation information has been found for HER2 CA (V659E).

No alerts have been found for HER2 CA (V659E).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Liang J, et al. (2025) Genetically encoded tension heterogeneity sculpts cardiac trabeculation. *Science advances*, 11(10), eads2998.

Castellan M, et al. (2021) Single-cell analyses reveal YAP/TAZ as regulators of stemness and cell plasticity in Glioblastoma. *Nature cancer*, 2(2), 174.

Leonardi M, et al. (2019) Activated kinase screening identifies the IKBKE oncogene as a positive regulator of autophagy. *Autophagy*, 15(2), 312.

Zhang J, et al. (2018) ERBB2 signaling drives supporting cell proliferation in vitro and apparent supernumerary hair cell formation in vivo in the neonatal mouse cochlea. *The European journal of neuroscience*, 48(10), 3299.

Corkery DP, et al. (2015) PRP4K is a HER2-regulated modifier of taxane sensitivity. *Cell cycle (Georgetown, Tex.)*, 14(7), 1059.

Fukuoka H, et al. (2011) HER2/ErbB2 receptor signaling in rat and human prolactinoma cells: strategy for targeted prolactinoma therapy. *Molecular endocrinology (Baltimore, Md.)*, 25(1), 92.

Merkhofer EC, et al. (2010) Her2 activates NF-kappaB and induces invasion through the canonical pathway involving IKKalpha. *Oncogene*, 29(8), 1238.