

Resource Summary Report

Generated by [dkNET](#) on Aug 7, 2026

pBABE puro H-Ras V12

RRID:Addgene_9051

Type: Plasmid

Proper Citation

RRID:Addgene_9051

Plasmid Information

URL: <http://www.addgene.org/9051>

Proper Citation: RRID:Addgene_9051

Insert Name: Hras V12

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Size:5169; Vector Backbone:pBabe puro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Plasmid Name: pBABE puro H-Ras V12

Relevant Mutation: G12V, constitutively active

Record Creation Time: 20220422T222613+0000

Record Last Update: 20260801T082038+0000

Ratings and Alerts

No rating or validation information has been found for pBABE puro H-Ras V12.

No alerts have been found for pBABE puro H-Ras V12.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Karki BR, et al. (2025) The role of gene duplication and paralog specialisation in the evolution of the mammalian PRPS complex. *Nature communications*, 16(1), 6076.

Liu J, et al. (2025) Lipogenic enzyme FASN promotes mutant p53 accumulation and gain-of-function through palmitoylation. *Nature communications*, 16(1), 1762.

Lee DM, et al. (2024) Akt enhances the vulnerability of cancer cells to VCP/p97 inhibition-mediated paraptosis. *Cell death & disease*, 15(1), 48.

Moragas N, et al. (2024) The SEMA3F-NRP1/NRP2 axis is a key factor in the acquisition of invasive traits in in situ breast ductal carcinoma. *Breast cancer research : BCR*, 26(1), 122.

Lee SH, et al. (2023) SIRT1 ubiquitination is regulated by opposing activities of APC/C-Cdh1 and AROS during stress-induced premature senescence. *Experimental & molecular medicine*, 55(6), 1232.

von Joest M, et al. (2022) Amphiregulin mediates non-cell-autonomous effect of senescence on reprogramming. *Cell reports*, 40(2), 111074.

Palazzo A, et al. (2022) Transformed cells after senescence give rise to more severe tumor phenotypes than transformed non-senescent cells. *Cancer letters*, 546, 215850.

Demir M, et al. (2022) ZAP70 Activation Compensates for Loss of Class IA PI3K Isoforms Through Activation of the JAK-STAT3 Pathway. *Cancer diagnosis & prognosis*, 2(3), 391.

Small SH, et al. (2021) Induction of IL19 expression through JNK and cGAS-STING modulates DNA damage-induced cytokine production. *Science signaling*, 14(714), eaba2611.

Kumazaki M, et al. (2020) Cell-type specific tumorigenesis with Ras oncogenes in human lung epithelial cells. *Biochemical and biophysical research communications*, 525(2), 483.

Verma AK, et al. (2020) Lactate induces PD-L1 in HRASG12V-positive oropharyngeal squamous cell carcinoma. *Oncotarget*, 11(17), 1493.

Leidal AM, et al. (2020) The LC3-conjugation machinery specifies the loading of RNA-binding proteins into extracellular vesicles. *Nature cell biology*, 22(2), 187.

Gasilina A, et al. (2020) IODVA1, a guanidinobenzimidazole derivative, targets Rac activity and Ras-driven cancer models. *PloS one*, 15(3), e0229801.

Zhan H, et al. (2020) An Excitable Ras/PI3K/ERK Signaling Network Controls Migration and Oncogenic Transformation in Epithelial Cells. *Developmental cell*, 54(5), 608.

McMahon M, et al. (2019) A single H/ACA small nucleolar RNA mediates tumor suppression downstream of oncogenic RAS. *eLife*, 8.

Rockfield S, et al. (2019) Chronic iron exposure and c-Myc/H-ras-mediated transformation in fallopian tube cells alter the expression of EVI1, amplified at 3q26.2 in ovarian cancer. *Oncogenesis*, 8(9), 46.

Santinon G, et al. (2018) dNTP metabolism links mechanical cues and YAP/TAZ to cell growth and oncogene-induced senescence. *The EMBO journal*, 37(11).

Rockfield S, et al. (2018) Expression and function of nuclear receptor coactivator 4 isoforms in transformed endometriotic and malignant ovarian cells. *Oncotarget*, 9(4), 5344.

Ruiz PD, et al. (2018) MacroH2A1 chromatin specification requires its docking domain and acetylation of H2B lysine 20. *Nature communications*, 9(1), 5143.

Ku AT, et al. (2017) TCF7L1 promotes skin tumorigenesis independently of β -catenin through induction of LCN2. *eLife*, 6.