

Resource Summary Report

Generated by [NIF](#) on Aug 26, 2026

pBABE-hygro

RRID:Addgene_1765

Type: Plasmid

Proper Citation

RRID:Addgene_1765

Plasmid Information

URL: <http://www.addgene.org/1765>

Proper Citation: RRID:Addgene_1765

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:2194165](#)

Vector Backbone Description: Backbone Size:5558; Vector Backbone:pBABE-hygro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Comments: Please acknowledge Jay Morgenstern and Hartmut Land and cite the following article if you use this plasmid in a publication: Morgenstern JP, Land H., 1990, Nucleic Acids Research 18(12):3587-96. If you are using the pBABE protocol from the Weinberg Lab to generate virus, please note that the Weinberg Lab recommends using pUMVC (Addgene #8449) and VSV-G (#8454) for packaging. The pCL-Eco plasmid listed in their protocol should be substituted with pUMVC. Please note that the sequence from which the Addgene map was generated is an estimate of the real sequence based on how the vector was assembled. We encourage scientists to test enzymes before using them for cloning.

Plasmid Name: pBABE-hygro

Record Creation Time: 20220422T222019+0000

Record Last Update: 20260815T081059+0000

Ratings and Alerts

No rating or validation information has been found for pBABE-hygro.

No alerts have been found for pBABE-hygro.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Lu G, et al. (2026) In vivo detection of immune responses via cytokine activity labeling. Cell.

Ramakrishnan G, et al. (2025) Deletion of AMP-activated protein kinase impairs metastasis and is rescued by ROS scavenging or ectopic CD36 expression. Cell reports, 44(1), 115183.

Oles AR, et al. (2025) MyoD is essential in rhabdomyosarcoma by promoting survival through differentiation and CYLD. iScience, 28(8), 113149.

Ferrarone JR, et al. (2024) Genome-wide CRISPR screens in spheroid culture reveal that the tumor suppressor LKB1 inhibits growth via the PIKFYVE lipid kinase. Proceedings of the National Academy of Sciences of the United States of America, 121(21), e2403685121.

Takasugi M, et al. (2023) CD44 correlates with longevity and enhances basal ATF6 activity and ER stress resistance. Cell reports, 42(9), 113130.

Terry AR, et al. (2023) CD36 maintains lipid homeostasis via selective uptake of monounsaturated fatty acids during matrix detachment and tumor progression. Cell metabolism, 35(11), 2060.

Adaku N, et al. (2023) Apolipoprotein E2 Stimulates Protein Synthesis and Promotes Melanoma Progression and Metastasis. Cancer research, 83(18), 3013.

Solvik TA, et al. (2022) Secretory autophagy maintains proteostasis upon lysosome inhibition. The Journal of cell biology, 221(6).

Johnson CW, et al. (2022) Regulation of GTPase function by autophosphorylation. Molecular cell, 82(5), 950.

Wu H, et al. (2022) Vimentin intermediate filaments and filamentous actin form unexpected interpenetrating networks that redefine the cell cortex. Proceedings of the National Academy of Sciences of the United States of America, 119(10), e2115217119.

Kim LM, et al. (2022) Sustained Oncogenic Signaling in the Cytostatic State Enables Targeting of Nonproliferating Persistent Cancer Cells. Cancer research, 82(17), 3045.

Miwatani-Minter B, et al. (2021) Laser Micro-Irradiation to Study DNA Recruitment During S Phase. Journal of visualized experiments : JoVE(170).

Zaman A, et al. (2021) Exocyst protein subnetworks integrate Hippo and mTOR signaling to promote virus detection and cancer. *Cell reports*, 36(5), 109491.

Ardenkjær-Larsen J, et al. (2020) Insulin-induced serine 22 phosphorylation of retinoid X receptor alpha is dispensable for adipogenesis in brown adipocytes. *Adipocyte*, 9(1), 142.

Sloat SR, et al. (2019) Identification of a mitofusin specificity region that confers unique activities to Mfn1 and Mfn2. *Molecular biology of the cell*, 30(17), 2309.

Song J, et al. (2019) 14-3-3 η inhibits heme oxygenase-1 (HO-1) degradation and promotes hepatocellular carcinoma proliferation: involvement of STAT3 signaling. *Journal of experimental & clinical cancer research : CR*, 38(1), 3.

Román M, et al. (2019) Inhibitor of Differentiation-1 Sustains Mutant KRAS-Driven Progression, Maintenance, and Metastasis of Lung Adenocarcinoma via Regulation of a FOSL1 Network. *Cancer research*, 79(3), 625.

Song J, et al. (2018) CRISPR/Cas9-mediated knockout of HBsAg inhibits proliferation and tumorigenicity of HBV-positive hepatocellular carcinoma cells. *Journal of cellular biochemistry*, 119(10), 8419.

Yoo BH, et al. (2018) Oncogenic RAS-induced downregulation of ATG12 is required for survival of malignant intestinal epithelial cells. *Autophagy*, 14(1), 134.

Wallot-Hieke N, et al. (2018) Systematic analysis of ATG13 domain requirements for autophagy induction. *Autophagy*, 14(5), 743.