

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

pBabe B-Raf V600E

RRID:Addgene_17544

Type: Plasmid

Proper Citation

RRID:Addgene_17544

Plasmid Information

URL: <http://www.addgene.org/17544>

Proper Citation: RRID:Addgene_17544

Insert Name: B-Raf

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17699719](#)

Vector Backbone Description: Backbone Size:5200; Vector Backbone:pBabe-puro; Vector Types:Mammalian Expression, Retroviral; Bacterial Resistance:Ampicillin

Plasmid Name: pBabe B-Raf V600E

Relevant Mutation: V600E

Record Creation Time: 20220422T222014+0000

Record Last Update: 20260808T081257+0000

Ratings and Alerts

No rating or validation information has been found for pBabe B-Raf V600E.

No alerts have been found for pBabe B-Raf V600E.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Moon H, et al. (2022) Activated TAZ induces liver cancer in collaboration with EGFR/HER2 signaling pathways. BMC cancer, 22(1), 423.

Shimizu M, et al. (2022) Enhanced O-GlcNAc modification induced by the RAS/MAPK/CDK1 pathway is required for SOX2 protein expression and generation of cancer stem cells. Scientific reports, 12(1), 2910.

Biavasco R, et al. (2021) Oncogene-induced senescence in hematopoietic progenitors features myeloid restricted hematopoiesis, chronic inflammation and histiocytosis. Nature communications, 12(1), 4559.

Sun HL, et al. (2020) Stabilization of ERK-Phosphorylated METTL3 by USP5 Increases m6A Methylation. Molecular cell, 80(4), 633.

Jasmer KJ, et al. (2020) Heme oxygenase promotes B-Raf-dependent melanosphere formation. Pigment cell & melanoma research, 33(6), 850.

Patel PL, et al. (2016) Derepression of hTERT gene expression promotes escape from oncogene-induced cellular senescence. Proceedings of the National Academy of Sciences of the United States of America, 113(34), E5024.

Wiersma VR, et al. (2015) The epithelial polarity regulator LGALS9/galectin-9 induces fatal frustrated autophagy in KRAS mutant colon carcinoma that depends on elevated basal autophagic flux. Autophagy, 11(8), 1373.

Chakraborty R, et al. (2014) Mutually exclusive recurrent somatic mutations in MAP2K1 and BRAF support a central role for ERK activation in LCH pathogenesis. Blood, 124(19), 3007.

Sapkota B, et al. (2013) Vemurafenib enhances MHC induction in BRAFV600E homozygous melanoma cells. Oncoimmunology, 2(1), e22890.

Suram A, et al. (2012) Oncogene-induced telomere dysfunction enforces cellular senescence in human cancer precursor lesions. The EMBO journal, 31(13), 2839.

Shi H, et al. (2012) Melanoma whole-exome sequencing identifies (V600E)B-RAF amplification-mediated acquired B-RAF inhibitor resistance. Nature communications, 3, 724.

Magudia K, et al. (2012) K-Ras and B-Raf oncogenes inhibit colon epithelial polarity establishment through up-regulation of c-myc. The Journal of cell biology, 198(2), 185.