Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 15, 2025

Apple-53BP1trunc

RRID:Addgene_69531
Type: Plasmid

Proper Citation

RRID:Addgene_69531

Plasmid Information

URL: http://www.addgene.org/69531

Proper Citation: RRID:Addgene_69531

Insert Name: 53BP1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:25984718

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:8003; Vector Backbone:pLVX; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: Note: This construct contains amino acids 1220-1709 of 53BP1 followed by the short peptide VNDLDNSTG-STOP. This additional peptide does not affect reporter activity, and the plasmid functions as described in the associated publication.

Plasmid Name: Apple-53BP1trunc

Record Creation Time: 20220422T222430+0000

Record Last Update: 20220422T224737+0000

Ratings and Alerts

No rating or validation information has been found for Apple-53BP1trunc.

No alerts have been found for Apple-53BP1trunc.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Paul MW, et al. (2024) Distinct mobility patterns of BRCA2 molecules at DNA damage sites. Nucleic acids research, 52(14), 8332.

Di Giorgio E, et al. (2024) HDAC4 influences the DNA damage response and counteracts senescence by assembling with HDAC1/HDAC2 to control H2BK120 acetylation and homology-directed repair. Nucleic acids research, 52(14), 8218.

Abd El-Hafeez AA, et al. (2023) Regulation of DNA damage response by trimeric G-proteins. iScience, 26(2), 105973.

Niklas M, et al. (2022) Biosensor for deconvolution of individual cell fate in response to ion beam irradiation. Cell reports methods, 2(2), 100169.

Constantin D, et al. (2022) APOBEC3C, a nucleolar protein induced by genotoxins, is excluded from DNA damage sites. The FEBS journal, 289(3), 808.

Segeren HA, et al. (2022) Oncogenic RAS sensitizes cells to drug-induced replication stress via transcriptional silencing of P53. Oncogene, 41(19), 2719.

Weigelin B, et al. (2021) Cytotoxic T cells are able to efficiently eliminate cancer cells by additive cytotoxicity. Nature communications, 12(1), 5217.

Klomp JE, et al. (2021) CHK1 protects oncogenic KRAS-expressing cells from DNA damage and is a target for pancreatic cancer treatment. Cell reports, 37(9), 110060.

Gonzalez Rajal A, et al. (2021) A non-genetic, cell cycle-dependent mechanism of platinum resistance in lung adenocarcinoma. eLife, 10.

Segeren HA, et al. (2020) Excessive E2F Transcription in Single Cancer Cells Precludes Transient Cell-Cycle Exit after DNA Damage. Cell reports, 33(9), 108449.

Yuan R, et al. (2019) Cyclin F-dependent degradation of E2F7 is critical for DNA repair and G2-phase progression. The EMBO journal, 38(20), e101430.