

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

129(Cg)-Pik3cb^{tm1.1Bvan}/Cnbc

RRID:IMSR_EM:11633

Type: Organism

Proper Citation

RRID:IMSR_EM:11633

Organism Information

URL: <https://www.infrafrontier.eu/emma/strain-details/?q=11633>

Proper Citation: RRID:IMSR_EM:11633

Description: Mus musculus with name 129(Cg)-Pik3cb^{tm1.1Bvan}/Cnbc from IMSR.

Species: Mus musculus

Synonyms: 129-Pik3cb/Bvan. p110beta DEL (Sv129/J background)

Notes: gene symbol note: phosphatidylinositol-4;5-bisphosphate 3-kinase catalytic subunit beta; unclassified: Pik3cb

Affected Gene: phosphatidylinositol-4;5-bisphosphate 3-kinase catalytic subunit beta

Genomic Alteration: targeted mutation 1.1; Bart Vanhaesebroeck

Catalog Number: EM:11633

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: embryo

Organism Name: 129(Cg)-Pik3cb^{tm1.1Bvan}/Cnbc

Record Creation Time: 20250513T062307+0000

Record Last Update: 20260829T054622+0000

Ratings and Alerts

No rating or validation information has been found for 129(Cg)-Pik3cb^{tm1.1Bvan}/Cnbc.

No alerts have been found for 129(Cg)-Pik3cb^{tm1.1Bvan}/Cnbc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Archive

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Zhou Q, et al. (2022) Phosphatidylethanolamine N-Methyltransferase Knockout Modulates Metabolic Changes in Aging Mice. *Biomolecules*, 12(9).

Zhang F, et al. (2021) Global analysis of protein arginine methylation. *Cell reports methods*, 1(2), 100016.

Zhang F, et al. (2021) Tissue-Specific Landscape of Metabolic Dysregulation during Ageing. *Biomolecules*, 11(2).

Liu X, et al. (2021) Knockout of NGAL aggravates tubulointerstitial injury in a mouse model of diabetic nephropathy by enhancing oxidative stress and fibrosis. *Experimental and therapeutic medicine*, 21(4), 321.

Gavin AL, et al. (2021) Cleavage of DNA and RNA by PLD3 and PLD4 limits autoinflammatory triggering by multiple sensors. *Nature communications*, 12(1), 5874.

Nakamura T, et al. (2020) Tissue-nonspecific alkaline phosphatase promotes the osteogenic differentiation of osteoprogenitor cells. *Biochemical and biophysical research communications*, 524(3), 702.