PI3K-C2b kinase-dead

Catalogue number: 158398
Sub-type: Mouse
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: PI3K-C2b kinase-dead

Alternate name:

Class:
Conjugate:
Description:
Purpose:
Parental cell:
Organism:
Tissue:
Model: Knock-In
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details: Knock-in mice in which the endogenous PIK3C2B/PI3K-C2beta PI3K gene is mutated so that it now encodes a PI3K-C2beta protein with the D1212A mutation in the ATP binding site, converting it to a kinase-dead PI3K-C2beta protein which is expressed at the same level as wild-type PI3K-C2beta. These mice have been backcrossed onto the B6 background.
Formulation:
Recommended controls:
Bacterial resistance:

Selectable markers:
Additional notes: Homozygous mice are phenotypically normaland born at a normal Mendelian ratio, with no impact on organismal growth. Mice display enhanced insulin sensitivity and glucose tolerance, as well as protection against high-fat-diet-induced liver steatosis. (see PMID 26655903 for details). Heterozygous mice are phenotypically normal.

Target details

Target: PIK3C2B

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format:
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Embryo/Spermatoza- Dry Ice

Related tools

Related tools:

References

References: Valet et al. 2015. Blood. 126(9):1128-37. PMID: 26109204.