

# p110beta PI3K-D931A (B6)

**Catalogue number:** 158389

**Sub-type:** Mouse

**Images:**

## Contributor

**Inventor:** Bart Vanhaesebroeck

**Institute:** Ludwig Institute for Cancer Research

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** p110beta PI3K-D931A (B6)

**Alternate name:**

**Class:**

**Conjugate:**

**Description:**

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** Knock-in mice in which the endogenous PIK3CB/p110beta PI3K gene is mutated so that it now encodes a p110beta protein with the D931A mutation in the ATP binding site, converting it to a kinase-dead p110beta protein which is expressed at the same level as wild-type p110beta. These mice have been backcrossed onto the B6 background.

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:** Mice show prenatal partial lethality at at different embryonic stages (see PMID 26132308 for details). Homozygous male mice that are born are infertile with smaller than normal testicles. They cannot produce offspring.

## Target details

**Target:** PIK3CB

**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/Spermatozoa- Dry Ice

## Related tools

**Related tools:**

## References

**References:** Guillermet-Guibert et al. 2015. PLoS Genet. 11(7):e1005304. PMID: 26132308. ; Kulkarni et al. 2011. Sci Signal. 4(168):ra23. PMID: 21487106.

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