

HBRN Mouse

Catalogue number: 151773

Sub-type: Mouse

Images:

Contributor

Inventor: Colin Henderson ; Roland Wolf

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: HBRN Mouse

Alternate name:

Class:

Conjugate:

Description: Improved model of abrogation of hepatic P450 function. The dual deletion of both *Cyb5* and *POR* almost completely abrogates all hepatic cytochrome P450 activities; the new HBRN model thus provides a more authentic hepatic-P450 null phenotype

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details: HBRN (*Cytb5lox/lox::PORlox/lox* $\hat{=}$ *CreALB*) and wild-type (WT; *PORlox/lox::Cyb5lox/lox*) were generated by crossing HRN (*PORlox/lox* + *CreALB*) and floxed cytochrome b5 mice (*Cytb5lox/lox*), and thereafter maintained by crossing of homozygous pairs within each line.

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: P450, Cyb5

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

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References

References: McLaughlin et al. 2010. Mol Pharmacol. 78(2):269-78. PMID: 20430864. ; Deletion of microsomal cytochrome b5 profoundly affects hepatic and extrahepatic drug metabolism. ; Finn et al. 2008. J Biol Chem. 283(46):31385-93. PMID: 18805792. ; Defining the in Vivo Role for cytochrome b5 in cytochrome P450 function through the conditional hepatic deletion of microsomal cytochrome b5.

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