

Kidney epithelial cell specific Keap1-deficient (Ksp-Keap1-KO) mouse

Catalogue number: 156430

Sub-type: Mouse

Images:

Contributor

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Institute: Johns Hopkins University

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Kidney epithelial cell specific Keap1-deficient (Ksp-Keap1-KO) mouse

Alternate name:

Class:

Conjugate:

Description: This model helps elucidate a novel kelch-like ECH-associated protein 1 (KEAP 1) mediated signaling pathway in renal development. The Nrf2-Keap1 pathway has an important role in both acute kidney injury (AKI) and chronic kidney disease (CKD). This pathway has a key regulatory function on many antioxidant and stress pathways, including heme oxygenase. This model has allowed for the identification of KEAP 1 as factor involved in cyst formation and hydronephrosis during kidney development, which is advantageous for; studying kidney development as well as the role of the KEAP 1 pathway in kidney repair and regeneration.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:
Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Keap1

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:

Related tools

Related tools:

References

References: Borodovsky et al. 2013. Oncotarget. 4(10):1737-47. PMID: 24077805.

CancerTools.org