Double Floxed Fbxw7/FoxM1

Catalogue number: 153594
Sub-type: Mouse
Images:

Contributor

Inventor: Abdolrahman Shams-Nateri
Institute: University of Nottingham
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Double Floxed Fbxw7/FoxM1

Alternate name: F-box/WD repeatâ??containing protein 7, CDC4, Sel1, Ago, Fbw7, SCF, Skp1/Cullin/F-box protein, E3 ubiquitin ligase complex,FBW6, FBX3, FBXO3, FBXW6, SEL-1, hAgo, hCdc4, FOXM1, FKHL16, FOXM1B, HFH-11, HFH11, HNF-3, INS-1, MPHOSPH2, MPP-2, MPP2, PIG29, TGT3, TRIDENT, forkhead box M1

Class:
Conjugate:
Description: FoxM1 is plays a key role in the cell cycle as endogenous expression peaks at the S and G2/M phases, crucial for mitotic division. Recent studies have shown that FOXM1 regulates expression of a large array of G2/M-specific genes which play a crucial role in maintenance of genomic stability and chromosomal segregation. There are 3 known isoforms of FoxM1, A, B & C and it is a known human proto-oncogene, involved in basal cell carcinoma. Fbxw7 is a member of the F-box protein family, characterised by a motif of approximately 40 amino acids called the F-box. These proteins constitute one of the four subunits of ubiquitin protein ligase complex called SKP1-cullin-F-box and function in phosphorylation-dependent ubiquitination. Fbxw7 specifically protein contains 7 tandem solenoid protein domains also know as WD40 repeats. Fbwx7 binds directly to cyclin E and probably targets it for ubiquitin-mediated degradation.
Purpose:
Parental cell:
Organism:
Tissue:
Model: Conditional KO
Gender:
Isotype:
Reactivity:
Selectivity:

Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details: This model was created by interbreeding the floxed-Fbxw7 mouse with a floxed-FoxM1 mouse (for floxed-FoxM1 mouse see references).
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Fbxw7 and foxM1

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: Floxed-Fbxw7 Mouse

References

References: Babaei-Jadidi et al. 2011. J Exp Med. 208(2):295-312. PMID: 21282377. ; FBXW7 influences murine intestinal homeostasis and cancer, targeting Notch, Jun, and DEK for degradation.