



【本件リリース先】

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京都大学記者クラブ

Scleraxis

1 Scleraxis (Scx)

Scleraxis

Scx

Scx

3

7 Scientific Reports

*Scleraxis* is required for maturation of tissue domains for proper integration of the musculoskeletal system

1

- 1.
- 2.
- 3.

2

Scx

3

Scx

4

*Scx<sup>Cre</sup>*

5

*Scx<sup>Cre/Cre</sup>*

Scx

*Scx Cre*  
*Scx*

*Scx*

*Scx*

*Scx<sup>Cre/Cre</sup>*

Tenomodulin

6

7

*Scx*

Smad1/5  
protein

Smad3

8

Bone morphogenetic

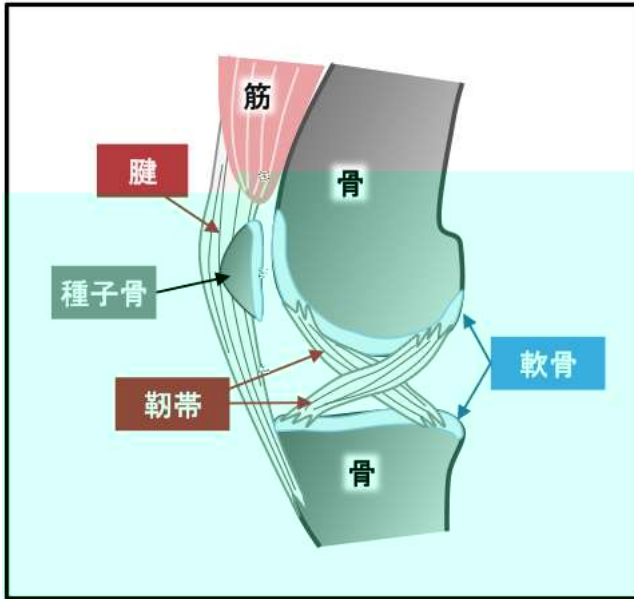
Scx

Scx

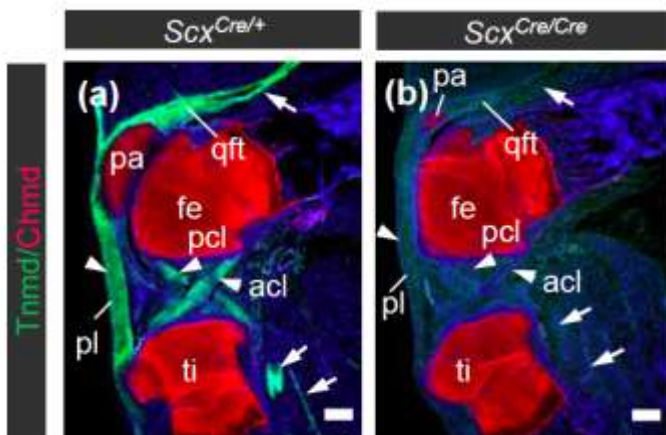
*Scx*

iPS

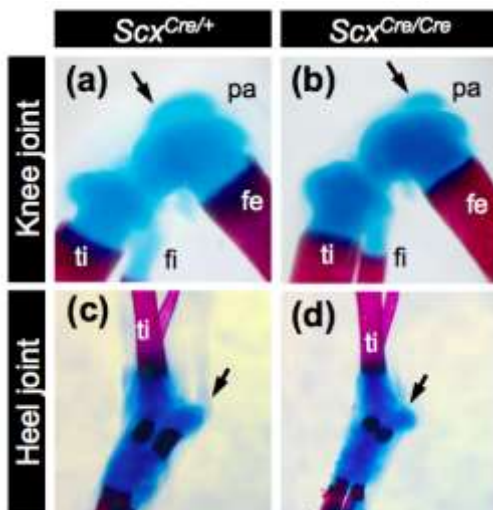
*Scx*



Tnmd (b) *Scx* Chmd (a) Tnmd



*Scx*<sup>Cre/+</sup> (a, c) *Scx* (b, d)



1  
DNA  
DNA

RNA

2

I

3

1

4

5

*Scx<sup>Cre</sup>*

*Scx*

DNA

Cre

6 Tenomodulin(Tnmd)

II

Chondromodulin (Chmd)

C

Chmd

7

8 Bone morphogenetic protein

Smad1/5/8

Smad2/3

iPS

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