

Effects of sclerostin antibody on bone healing



ALL IMAGES VIDEOS TOOLS ▾

## Effects of sclerostin antibody on healing of a non ...

<https://www.ncbi.nlm.nih.gov/pubmed/22887736>

Sclerostin is a glycoprotein secreted by osteocytes and inhibits osteoblastogenesis via inhibition of Wnt signaling. We hypothesized that sclerostin antibody (Sci-AbIII) would **accelerate the healing of a murine**...

Cited by: 54 Author: Muhammad U. Jawad, Kate E. Fritton, Ti

Publish Year: 2013

## Effects of Sclerostin Antibody on the Healing of Femoral ...

<https://pubmed.ncbi.nlm.nih.gov/26603303>

The inhibition of sclerostin by the systemic administration of a monoclonal antibody (Scl-Ab) significantly increased bone mass and strength in fractured bones in animal models and non-fractured bones i.

Cited by: 15      Author: Yang Liu, Yunfeng Rui, Tin Yan Cheng, S

Publish Year: 2016

## Effects of sclerostin antibody on healing of a non ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/jor.22186>

We hypothesized that sclerostin neutralizing monoclonal antibody (Sci-AbIII), delivered systemically by subcutaneous injection, would enhance **local bone defect healing and bone metabolism**, and enhance

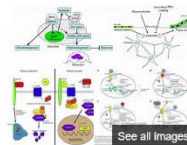
Cited by: 54      Author: Muhammad U. Jawad, Kate E. Fritton, Ti

Cited By: 54  
Publish Year: 2013

[PDF] Effects of Sclerostin Antibody on Healing of a Non ...

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/jor.22186>

tion, and bone strength.<sup>7</sup> Antibodies directed against sclerostin have been shown to increase BMD, bone volume, and bone strength in ovariectomized rats<sup>8</sup> and primates,<sup>7</sup> to enhance bone healing,<sup>9</sup>



## Sclerostin

Protein

Sclerostin is a protein that in humans is encoded by the *SOST* gene. Sclerostin is a secreted glycoprotein with a C-terminal cysteine knot-like domain and sequence similarity to the DAN family of bone morphogenetic protein antagonists. Sclerostin is produced primarily by the osteocyte but is also expressed in other tissues, and has anti-anabolic effects on bone formation.



Data from: Wikipedia

[Suggest an edit](#)

The inhibition of **sclerostin** by the systemic administration of a monoclonal **antibody** (Scl-Ab) significantly increased **bone** mass and strength in fractured **bones** in animal models and non-fractured **bones** in ovariectomised (OVX) rats. In this study, the **effects** of Scl-Ab on **healing** were examined in a closed fracture model in OVX rats.

Cited by: 16

Publish Year: 2016

[Effects of Sclerostin Antibody on the Healing of Femoral ...](#)

[pubmed.ncbi.nlm.nih.gov/26603303/](https://pubmed.ncbi.nlm.nih.gov/26603303/)

Was this helpful?

[Effects of Sclerostin Antibody on the Healing of Femoral ...](#)

<https://pubmed.ncbi.nlm.nih.gov/26603303/>

Nov 05, 2020 · The inhibition of **sclerostin** by the systemic administration of a monoclonal **antibody** (Scl-Ab) significantly increased bone mass and strength in fractured **bones** in animal models and non-fractured bones in ovariectomised (OVX) rats. In this study, the effects of Scl-Ab on **healing** were examined in a closed fracture model in OVX rats.

Cited by: 16

Author: Yang Liu, Yunfeng Rui, Tin Yan Cheng, S...

Publish Year: 2016

[Effects of sclerostin antibody on healing of a non ...](#)

<https://onlinelibrary.wiley.com/doi/full/10.1002/jor.22186>

We hypothesized that sclerostin neutralizing monoclonal antibody (Scl-AbIII), delivered systemically by subcutaneous injection, would enhance local **bone defect healing** and bone metabolism, and enhance the systemic trafficking of preosteoblasts to a remote **defect** using an established femoral **bone defect** ...

Cited by: 56

Author: Muhammad U. Jawad, Kate E. Fritton, Ti...

Publish Year: 2013

[\[PDF\] Effects of Sclerostin Antibody on Healing of a Non ...](#)

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/jor.22186>



国内版

国际版

Effects of sclerostin antibody on bone healing



ALL

IMAGES

VIDEOS

337,000 Results

Any time ▾

The inhibition of **sclerostin** by the systemic administration of a monoclonal **antibody** (Scl-Ab) significantly increased **bone** mass and strength in fractured **bones** in animal models and non-fractured **bones** in ovariectomised (OVX) rats. In this study, the **effects** of Scl-Ab on **healing** were examined in a closed fracture model in OVX rats.

Cited by: 16

Publish Year: 2016

Effects of Sclerostin Antibody on the Healing of Femoral ...

[pubmed.ncbi.nlm.nih.gov/26603303/](https://pubmed.ncbi.nlm.nih.gov/26603303/)

Was this helpful?

Effects of Sclerostin Antibody on the Healing of Femoral ...

<https://pubmed.ncbi.nlm.nih.gov/26603303>

Nov 05, 2020 · The inhibition of sclerostin by the systemic administration of a monoclonal antibody (Scl-Ab) significantly increased bone mass and strength in fractured bones in animal models and non-fractured bones in ovariectomised (OVX) rats. In this study, the effects of Scl-Ab on healing were examined in a closed fracture model in OVX rats.

Cited by: 16

Author: Yang Liu, Yunfeng Rui, Tin Yan Cheng, S...

Publish Year: 2016

Effects of sclerostin antibody on healing of a non ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/jor.22186>

We hypothesized that sclerostin neutralizing monoclonal antibody (Scl-AbIII), delivered systemically by subcutaneous injection, would enhance local bone defect healing and bone metabolism, and enhance the systemic trafficking of preosteoblasts to a remote defect using an established femoral bone defect ...

Cited by: 57

Author: Muhammad U. Jawad, Kate E. Fritton, Ti...

Publish Year: 2013

[PDF] Effects of Sclerostin Antibody on Healing of a Non ...

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/jor.22186>