

# Spontaneously immortalized BMSCs

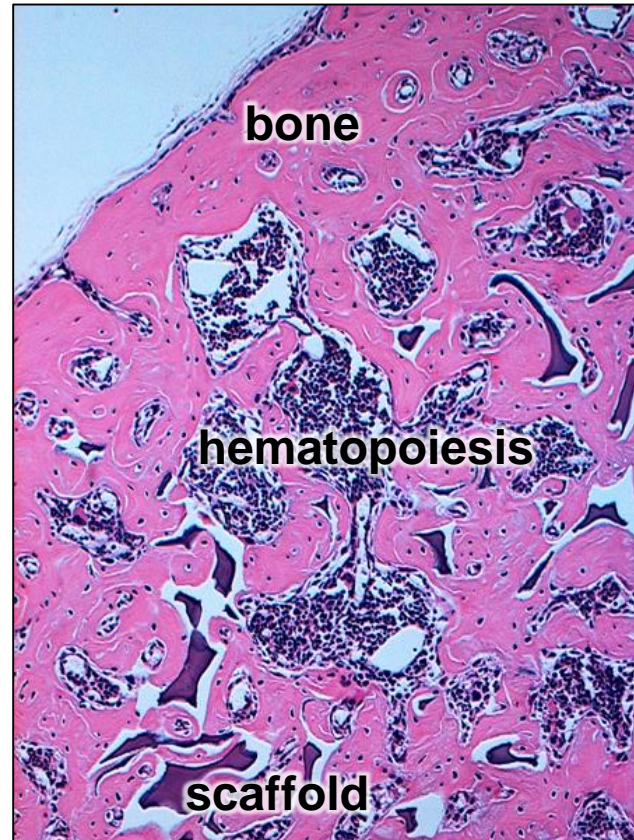
(derived from murine bone marrow as reported in Krebsbach et al, Transplantation 63:1059, 1997)

## In vitro mineralization assay (alizarin red S)



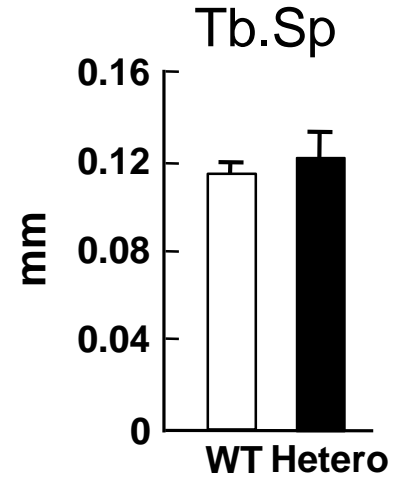
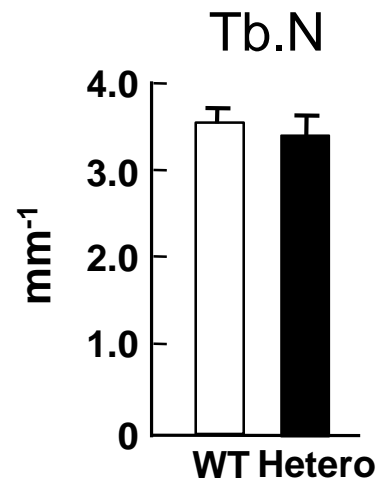
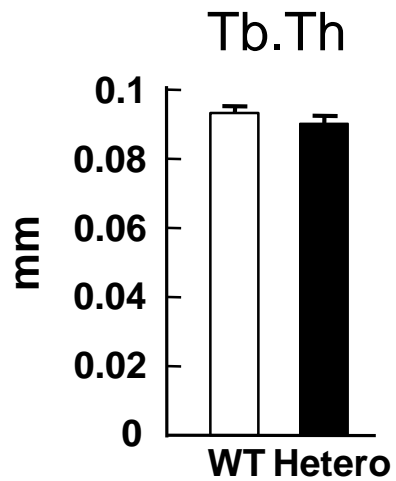
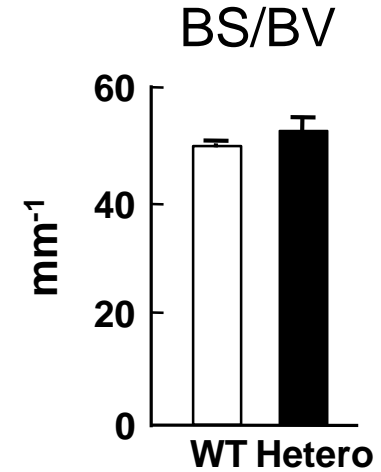
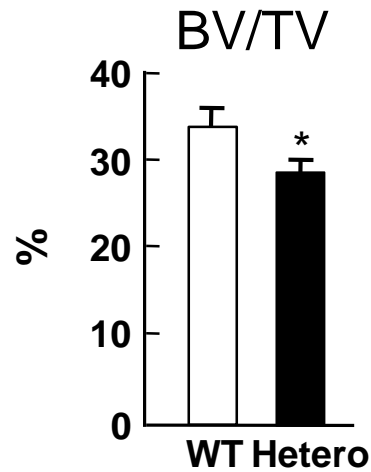
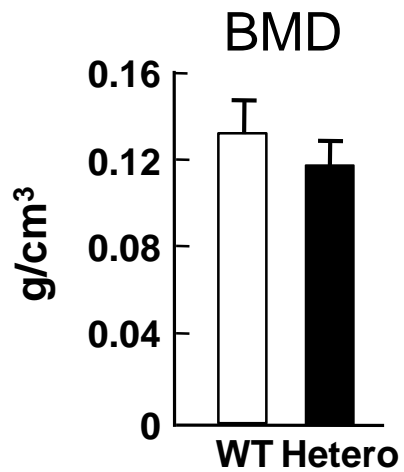
**immortalized murine BMSCs  
+ Dex/Asc/bGP**

## In vivo transplantation (H&E)

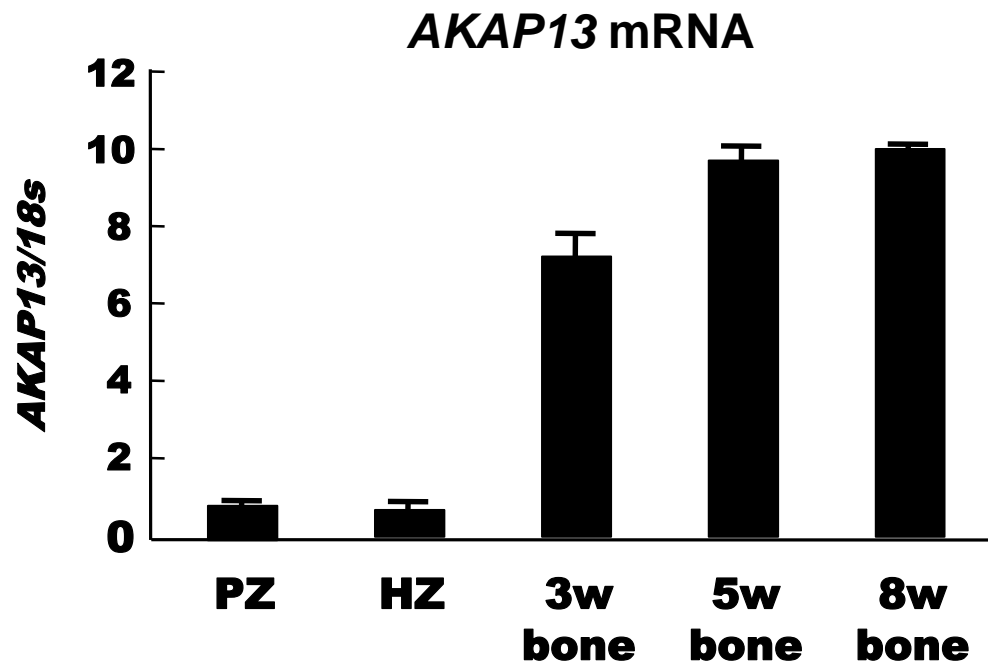


immortalized murine BMSCs transplanted in a collagen  
sponge subcutaneously in a immunocompromised mouse

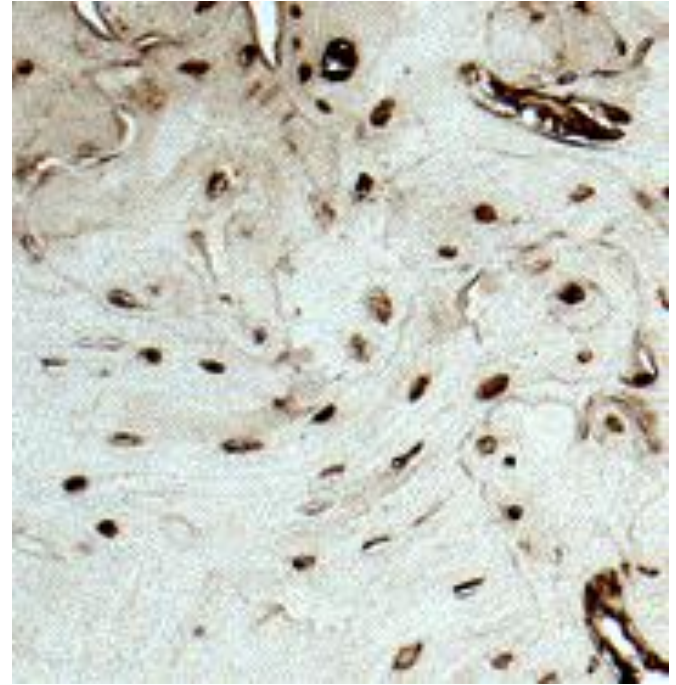
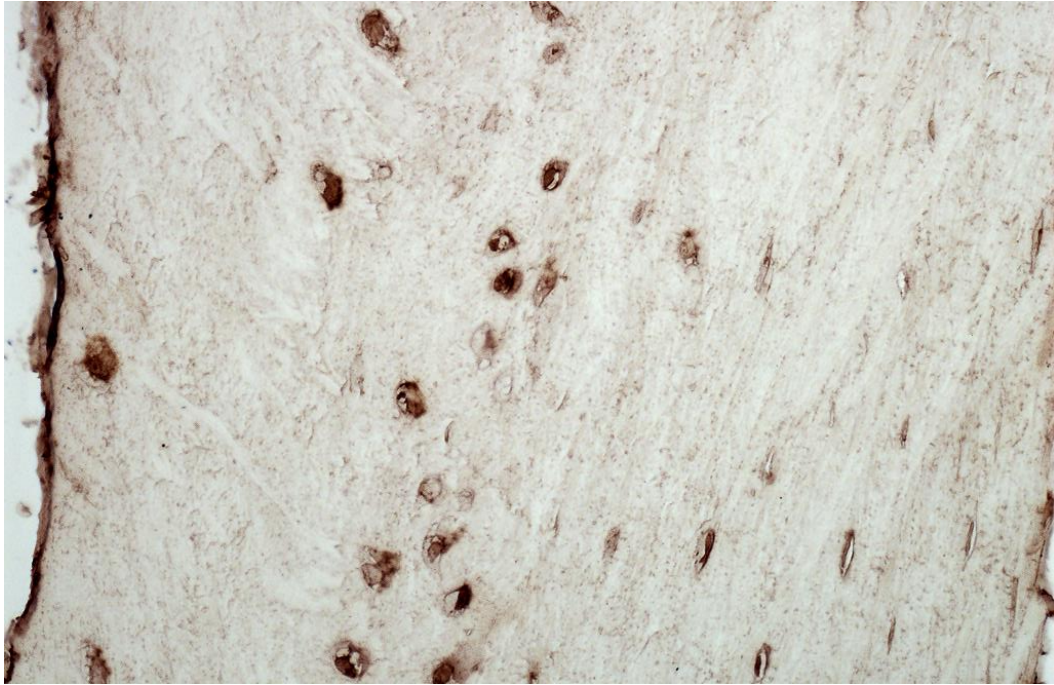
## Supplementary Figure 1



**Supplementary Figure 2**



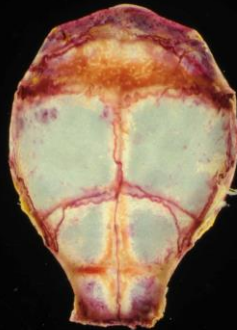
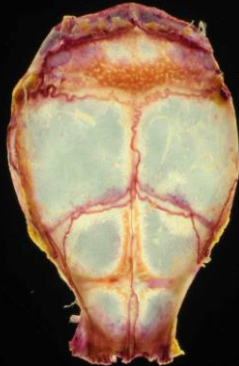
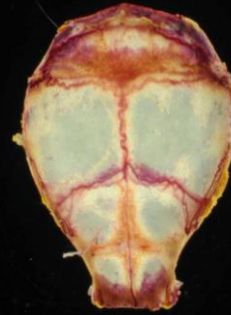
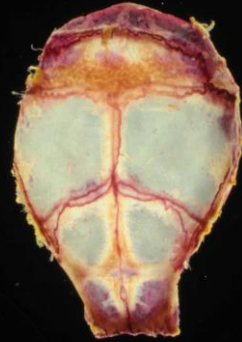
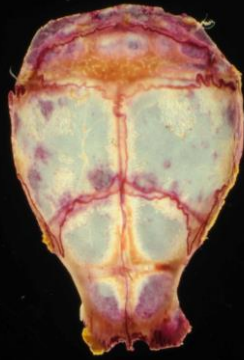
**Supplementary Figure 3**



**Supplementary Figure 4**

# AKAP 13 Haploinsufficient

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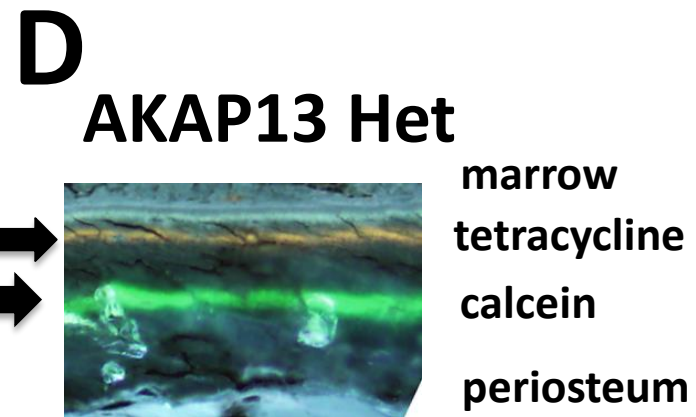
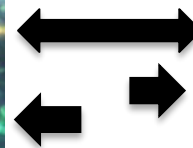
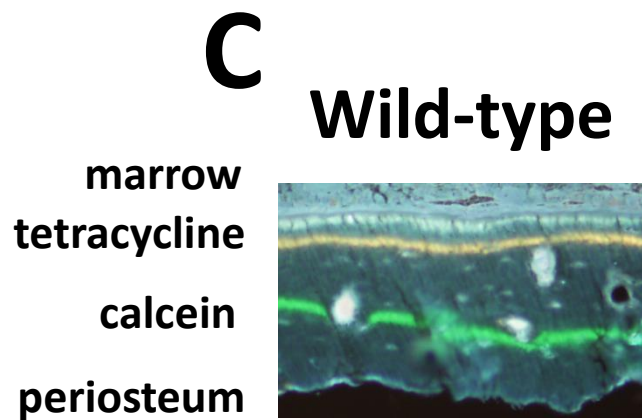
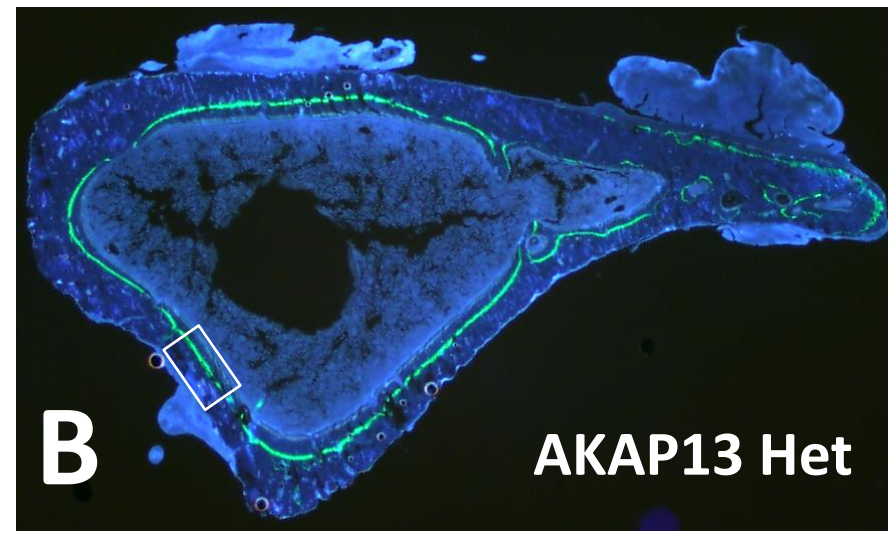
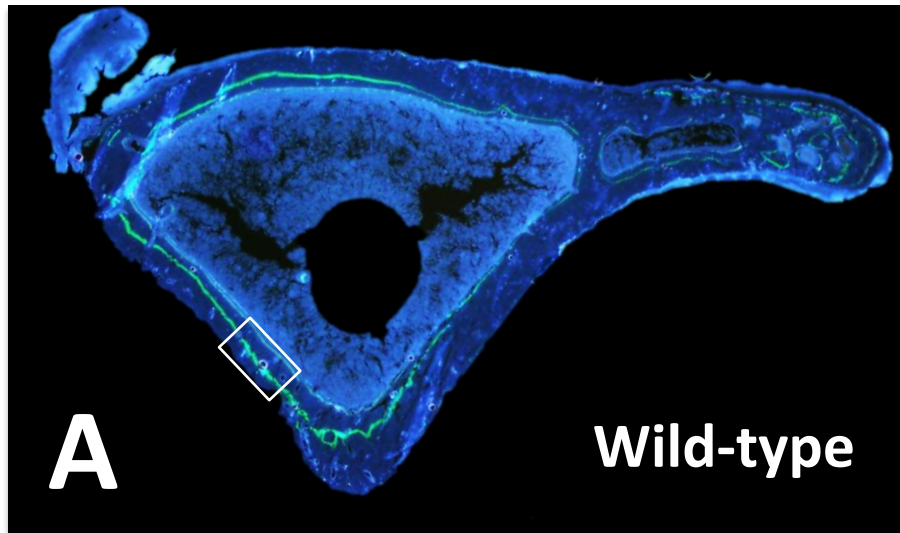


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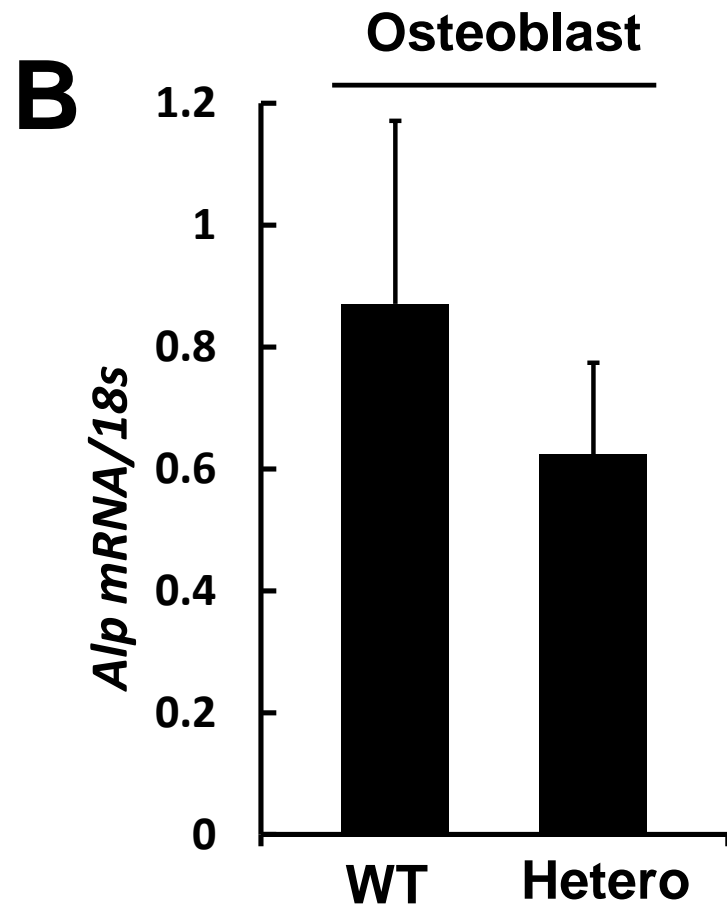
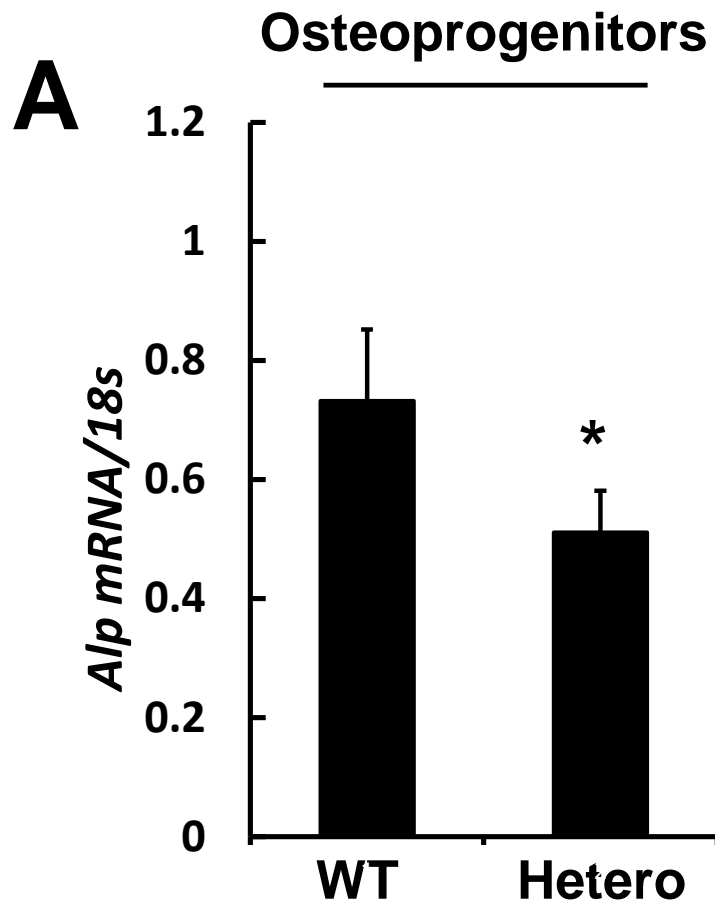
**Wild type**

**Supplementary Figure 5**





Supplementary Figure 6



Supplementary Figure 7