Reviewer's report

Title: Effects of Salubrinal on Development of Osteoclasts and Osteoblasts from Bone Marrow-Derived Cells

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Reviewer: Kazuyoshi Uchihashi

Reviewer's report:

This paper describes the effects of salubrinal on bone marrow derived cells. The authors reported that salubrinal suppressed osteoclastogenesis and promoted colony formation of osteoblasts, suggesting salubrinal is potential therapeutic reagent for osteoporosis.

This article is of importance in this field. However, it's deemed desirable to assess the following points.

Minor Essential Revisions:
1) In Figure 2, 3, 5 and 6, authors should describe each conditions of cell culture on photographs.
2) The method of isolation of TRAP-positive cells is not clear in the sections of migration and adhesion assay. After fixation and staining, how can TRAP positive cells be isolated?
3) Does alfa-v-beta-3 mean integrin? Authors should mention that.
4) Authors assessed osteoblastic differentiation only by ALP staining. How are osteoblastic mRNA expressions, such as osteocalcin, bone sialoprotein, Runx2?

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests